DOCUMENT RESUME

ED 053 083 SP 005 124

AUTHOR	Hailey, Paul W.
TITLE	Laws and Regulations Governing Teacher Education and Certification.
INSTITUTION	Ohio State Board of Education, Columbus.
PUB DATE	[70]
NOTE	94p.; Effective January 1, 1972
EDRS PRICE	EDRS Price MF-$0.65 HC-$3.29
DESCRIPTORS	*Certification, *Educational Certificates, *Teacher Certification, *Teacher Education, *Teacher Qualifications

ABSTRACT

This document covers 1) sections of Ohio law governing teacher education and certification, types of certificates, standards for certification, and renewal and revocation of certificates; 2) definitions and general information; 3) administrative and supervisory certificates; 4) elementary and kindergarten-primary teaching certificates; 5) high school teaching certificates; 6) pupil personnel services--school counselor, school psychologist, and visiting teacher; 7) special teaching certificates; 8) special education teaching certificates--teachers of the deaf and hard-of-hearing, of the orthopedically handicapped, of the visually handicapped, of the educable mentally retarded, of children with learning disabilities or behavior disorders, and of physical, occupational, speech and hearing therapists; 9) vocational teaching certificates--agriculture, distributive education, home economics, trade and industrial education, and work experience; 10) temporary teaching certificates--non-vocational and vocational fields; 11) standards and regulations governing the approval of colleges and universities preparing teachers in Ohio. An appendix lists the colleges and universities in Ohio approved for teacher education. (MBM)

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Laws and Regulations Governing

Teacher Education and Certification

Effective January 1, 1972

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ED053083

PAUL W. HAILEY

Director, Teacher Education and Certification

MARTIN W. ESSEX

Superintendent of Public Instruction

SP005124

Foreword

The central element in the educational process is the quality of teaching personnel. To meet the needs of education during the decade of the seventies, it is important that colleges and universities, professional personnel in Ohio schools and the State Department of Education share the responsibility for evaluating and improving the quality of teacher education.

The State Board of Education, recognizing that any revision of teacher education and certification standards should reflect the best thinking of both the professional and lay community, authorized the appointment of an advisory council in 1967 to study existing standards and recommend any needed modifications. Comprised of individuals representing higher education, public and nonpublic schools, and the general citizenry of Ohio, the council met almost monthly for three years to formulate the recommendations which have provided the basis for the standards as adopted by the State Board of Education on October 12, 1970.

The new standards have been enhanced by the potential for flexible adaptation to changing local conditions and national priorities. The creative implementation of these standards should be of major assistance in meeting the unprecedented challenges of education.

Martin W. Essex
Superintendent of Public Instruction

Introduction

Culminating more than three years of work by the Advisory Council on Teacher Education and Certification, Gilford W. Crowell, Chairman, the changes in standards reflect an upgraded pattern of certification requirements for teachers, administrators, supervisors and school employees in pupil personnel service. Provisions have been made, through the Approved Program Approach, for colleges and universities to establish flexible and innovative approaches to teacher education. Existing comprehensive teaching fields have been strengthened to provide a more complete coverage of subject matter and new comprehensive fields have been added to include programs in communications, the humanities and family-life education.

Special attention has been given to the areas of reading, media centers, special education and vocational education. Vocational certification requirements are presented in full text. To bring greater relevancy to current school curriculums, additional secondary fields have been added.

Emphasis has been placed on the student teaching programs of colleges and universities to provide more realistic internships for candidates seeking certification. Planned field experiences for administrators and supervisors have been introduced to provide opportunity for those seeking leadership roles in education to become familiar with the responsibilities associated with the position for which certification is sought. Professional and general education requirements have been modified to include a better balance of courses for the elementary teacher and the professional education requirements have been increased for the secondary teacher. Suggested minimum distribution of course coverage replaces the outdated specified course-counting approach to certification. Language usage has been updated to provide a more accurate interpretation and evaluation of teacher preparation sequences.

On-campus visitation and program evaluation procedures have been expanded to encourage continuous improvement of preservice programs to provide for the needs of teacher candidates in a changing society.

Through the study and preparation of the changes, the triangular system of communication among the schools of Ohio, the colleges and universities which prepare educational personnel and the State Department of Education has been strengthened.

Paul W. Hailey
Director, Teacher Education and Certification

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1

Sections of Ohio Law Governing Teacher Education and Certification

3319.22. Grades; Types of Certificates

"Teachers' certificates of state-wide validity shall be issued pursuant to sections 3319.22 to 3319.31, inclusive, of the Revised Code, or in accordance with standards, rules, and regulations authorized by law. The grades of certificates shall be designated as 'temporary certificates,' 'provisional certificates,' 'professional certificates,' and 'permanent certificates.' Each of such grades of certificates may be issued in each or any of the following types:

(A) Kindergarten-primary, valid for teaching in kindergarten, first, second, and third grades;

(B) Elementary, valid for teaching in grades one to eight, inclusive;

(C) High school, valid for teaching the subjects named in such certificate in grades seven to twelve, inclusive;

(D) Special, valid for teaching any subject named in such certificate in all grades of the elementary and high schools, or in such other special fields as are included in public school curricula;

(E) Elementary principal, valid for teaching or supervision in the elementary schools;

(F) High school principal, valid for teaching the subjects named in such certificate or for supervision in junior or senior high schools;

(G) Supervisor, valid for supervising and teaching subjects named in such certificate in elementary, special, or high school fields;

(H) Superintendent, valid for teaching the subjects named in such certificate, for supervising in elementary and high schools or for administrative duties in a school system;

(I) Vocational, valid for teaching and supervising vocational agriculture, vocational distributive education, vocational home economics, or vocational trades and industries as named in such certificates;

(J) Assistant superintendent, valid for supervising in elementary and high schools or for administrative duties in the school system;

(K) Pupil-personnel workers, valid for the conduct of all home-school-community relations incident to the adjustment of pupils to the facilities available for their education;

(L) Local superintendent, valid for teaching the subjects named in such certificate and for supervision and administration in a local school district;

(M) Educational administrative specialists, valid for those special areas of educational administration in a school system, other than superintendent, assistant superintendent, local superintendent, supervisor, or principal, as are specified and defined in such certificate."

3319.23. Standards for Certification of Teachers

"The state board of education shall establish standards and courses of study for the preparation of teachers, shall provide for the inspection of institutions desiring to prepare teachers, shall approve such institutions as maintain satisfactory training procedures, and shall properly certificate the graduates of such approved courses and institutions.

The standards and courses of study for the preparation of teachers together with the standards, rules, and regulations set for each grade and type of certificate and for the renewal and conversion thereof shall be adopted and published by the board in accordance with Chapter 119, of the Revised Code and no change therein shall be effective for at least one year from the first day of January next succeeding the publication of the said change."

3319.24. Provisional Certificates

"Provisional certificates valid for four years shall be issued by the state board of education to those who have completed the respective courses prescribed therefor by the board in an institution approved by it for the type of preparation required; provided that the requirements shall not be lower than graduation from a two-year course for types (A) and (B) as set forth in section 3319.22 of the Revised Code and graduation from a four-year course for all other types, except vocational trades and industries for which the training shall be as prescribed by the state board and approved by the board.

The board may renew for like period and for like type and validity any provisional certificate upon satisfactory evidence of the applicant's professional standing, and, if experienced, teaching success."

3319.25. Professional Certificates

"The state board of education may convert any provisional certificate or renewal thereof into a professional certificate of like type valid for eight years, provided the applicant has met the standards of preparation, experience, and teaching success set by the board for the conversion applied for."

3319.26. Permanent Certificates

"The state board of education may convert any professional certificate or renewal thereof into a permanent certificate of like type provided the applicant has met the standards of preparation, experience, and teaching success set by the said board for the conversion applied for. All permanent certificates shall be countersigned by the superintendent of public instruction."

3319.27. Renewal or Conversion of Provisional and Life Certificates

"The state board of education may renew for like period and validity, any provisional certificate issued prior to September 5, 1935, upon satisfactory evidence of the applicant's professional standing, and, if experienced, teaching success.

The board also shall establish standards in accordance with which it may convert provisional and life certificates issued prior to September 5, 1935, into certificates of the various types provided for in section 3319.22 of the Revised Code. All such certificates issued prior to September 5, 1935, shall, without such conversion, retain their validity for the kinds of positions for which they were valid when issued."

3319.28. Temporary Certificates

"The state board of education may establish standards, rules, and regulations below those set for provisional certificates by which it may grant temporary certificates valid for one year of the types provided for by section 3319.22 of the Revised Code, and by which it may renew the same for like periods. It may receive applications for such temporary certificates only upon the request of the superintendent of a city, county, or exempted village school district, a superintendent of diocesan schools, or the administrative head of any non-tax-supported school, and upon evidence of a scarcity of suitable teachers otherwise certified. Such certificate shall be valid for teaching only in the school or schools in the administrative jurisdiction of the official signing the request."

3319.29. Fees for Certificates

"Each application for any grade of certificate or renewal or duplicate shall be accompanied by a fee of two dollars. Upon the acceptance of such applications the fees shall be paid into the state treasury to the credit of the general revenue fund."

3319.30. Necessity for Certificate

"Except as provided in section 3319.36 of the Revised Code, no person shall receive any compensation for the performance of duties as teacher in any school supported wholly or in part by the state or by federal funds who has not obtained a certificate of qualification for the position as provided for by section 3319.22 of the Revised Code and which certificate shall further certify to the good moral character of the holder thereof. Any teacher so qualified may, at the discretion of the employing board of education, receive compensation for days on which he is excused by such board for the purpose of attending professional meetings, and the board may provide and pay the salary of a substitute teacher for such days."

3319.31. Revocation of Certificates; Notification of Convictions

"If at any time the holder of a certificate is found intemperate, immoral, incompetent, negligent, or guilty of other conduct unbecoming to his position, the state board of education shall revoke the certificate. Such evidence must be presented in writing, of which the accused shall be notified, and no certificate shall be revoked without a personal hearing in accordance with sections 119.01 to 119.13, inclusive, of the Revised Code.

The clerk of each common pleas, municipal, or county court, or of any other court of record in this state shall, on forms prescribed and furnished by the state board of education, promptly notify the state board of education of each conviction in such court of any person holding a valid teaching certificate issued pursuant to sections 3319.22 to 3319.31, inclusive, of the Revised Code, who is found guilty of a felony or of any other crime as defined in Chapters 2901, 2903, and 2905 of the Revised Code, including in such written notification the name and residence address of the defendant, the section of the Revised Code violated, and the sentence of the court, provided the clerk has knowledge that such defendant is the holder of such teaching certificate. There shall be allowed and taxed as a part of the costs of the case a clerk's fee of one dollar for the preparing and furnishing of the foregoing report."

3301.071. Certification of Teachers in Non-Tax Supported Schools

"In the case of non-tax supported schools, standards for teacher certification prescribed under section 3301.071 of the Revised Code shall

provide for certification, without further educational requirements, of any administrator, supervisor, or teacher who has attended and received a bachelor's degree from a college or university accredited by a national or regional association in the United States, or who, at the discretion of the state board of education, has an equivalent degree from a foreign college or university of comparable standing." This certificate does not entitle a lay teacher to salary supplemental contract. See section 3317.06 (H).

3319.15. Termination of Contract by Teacher

"No teacher shall terminate his contract after the tenth day of July of any school year or during the school year, prior to the termination of the annual session, without the consent of the board of education; and such teacher may terminate his contract at any other time by giving five days' written notice to the employing board. Upon complaint by the employing board to the state board of education and after investigation by it, the certificate of a teacher terminating his contract in any other manner than provided in this section may be suspended for not more than one year."

3319.36. Prohibition Against Paying Non-Certificated Teacher; Exception

"No clerk of a board of education shall draw a check for the payment of a teacher for services until the teacher files with him such reports as are required by the state board of education, by the school district board of education, and the superintendent of schools, and a written statement from the county, city, or exempted village superintendent of schools that the teacher has filed with him a legal teacher's certificate, or true copy thereof, to teach the subjects or grades taught, with the dates of its validity. The state board of education shall prescribe the record and administration for such filing of certificates in county school districts.

Notwithstanding the provisions of the foregoing paragraph of this section, the clerk of a board of education may pay a teacher for services rendered during the first two months of the annual school session, provided such teacher is the holder of a bachelor's degree or higher and has filed with the state board of education an application for the issuance of a teacher's provisional certificate or one of a higher grade.

Upon notice to the clerk of a board of education given by the state board of education or any superintendent of schools having jurisdiction that reports required of a teacher have not been made, the clerk shall withhold the salary of the teacher until the required reports are completed and furnished."

3329.10 Superintendent, Supervisor, Principal, or Teacher Not to Act As Sales Agent for Textbooks or Supplies

"A superintendent, supervisor, principal, or teacher employed by any board of education shall not act as sales agent, either directly or indirectly, for any person, firm, or corporation whose school textbooks are filed with the superintendent of public instruction, or for school apparatus or equipment of any kind for use in the public schools. A violation of this section shall work a forfeiture of their certificates to teach in the public schools."

2

Definitions and General Information

Definitions

Additional Training: Credit earned by an applicant after the granting of the initial certificate.

For the renewal of certain certificates or for the conversion of certain certificates into certificates of another grade, additional training is prescribed.

To be acceptable for renewal or for conversion, additional training credit must meet the following criteria:

1. It shall have been completed since the granting of the certificate to be renewed or converted
2. It shall be part of a planned program pertinent to the applicant's field of teaching
3. It shall be applicable to an undergraduate or graduate degree in the college or university offering the course
4. It shall be earned in an approved college or university.

Approved College or University: One which has been approved for the preparation of teachers by the State Board of Education.

Certificate: A license issued by the State indicating the grades or subjects in which the holder has satisfied the minimum requirements prerequisite to employment in the schools of Ohio.

Certificated Employee: A person who is employed in any of the categories enumerated in Section 3319.22 of the Revised Code and who holds a certificate valid for service in that category.

Continuing Contract: An employment agreement according to which teachers hold their positions continuously without the necessity of periodic applications, elections, and contracts. A continuing contract is commonly referred to as tenure, eligibility for which requires possession of a professional, permanent, or life certificate.

Elementary School: Section 3301.16 R.C. defines an elementary school as "one in which instruction and training are given in accordance with sections 3301.07 and 3313.60 of the Revised Code and which offers such other subjects as may be approved by the State Board of Education. An elementary school may also include a preparatory kindergarten year. In districts wherein a junior high school is maintained, the elementary schools in that district may be considered to include only the work of the first six school years inclusive."

High School: Section 3301.16 R.C. defines a high school as "one of higher grade than an elementary school, in which instruction and training are given in accordance with sections 3301.07 and 3313.60 of the Revised Code and which also offers other subjects of study more advanced than those taught in the elementary schools and such other subjects as may be approved by the State Board of Education."

Interstate Certification: The qualifications for interstate reciprocity pertain to the regular standard provisional teaching certificate. The interstate agreement and operational procedures are based upon section 3319.42 of the Revised Code.

Any applicant, for certification as a teacher, who is a graduate of a baccalaureate or post-baccalaureate teacher preparatory program of a college or university in any state who is a party to this agreement shall be deemed to have met all requirements for initial regular certification in any state party to this agreement, if all conditions are met as specified by each state.

Local Superintendent: The administrative head of a local school district in a county school sytem.

Middle Grade Validation: Secondary certificates may be validated for the middle grades provided the assignment is in those areas appearing on the certificate and such validation is recommended by the employing superintendent of schools. Such validation is renewable upon completion of appropriate course work in elementary education and upon the recommendation of the employing superintendent of schools.

Pertinent Electives: Those related subjects which make contributions that function intimately and frequently in the life and work of the teacher.

Planned Field Experience: A practicum or planned experience through which a person has the opportunity to become familiar with certain responsibilities associated with the position for which certification is sought.

Principal: The administrative head of an elementary or high school whose administrative and supervisory duties require more time than his teaching load.

Professional Courses: Those courses which deal primarily with the developing of an understanding of the learner, the learning process, and the role of the school in society.

Professional Growth: Evidence of improvement through participation in such activities as in-service training programs, workshops or additional college or university course work.

Program Approval: A preparatory pattern of training leading to the certification of teachers, administrators, supervisors, and school employees in pupil personnel services which is consistent with the intent of the standards as prescribed by the State Board of Education; approved programs shall provide for innovative and diversified practices on the part of the preparing college or university.

Quarter Hour: Equivalent to two-thirds of a semester hour.

Semester Hour: The unit, point, or credit granted for the satisfactory completion of a course requiring one one-hour classroom period a week for a semester. Since a semester is usually 18 weeks in length, a semester hour is equivalent to 18 clock hours.

Special Subjects: Those subject-matter areas which are frequently taught in grades kindergarten through 12, inclusive, and for which a higher degree of specialization is required than for teaching of the same subject at a given grade level.

Standard Certificate: A provisional, professional, or permanent certificate issued by the State Board of Education in accordance with sections 3319.24, 3319.25, and 3319.26 of the Revised Code.

Substitute Teacher: A certificated teacher employed for service only in the absence of the regularly employed teacher.

Successful or Satisfactory Experience: A requirement for the renewal or conversion of a certificate. Such experience must be in, or related to, the field in which certification is sought and must be rated as satisfactory by administrators, supervisors, and associates in the school in which the applicant has been most recently employed.

Superintendent: The administrative head of a city, county, or exempted village school district, an administrative head of diocesan schools, or the administrative head of any non-tax supported school.

Supervisor: One who is responsible for assisting and working with teachers in devising teaching methods and instructional materials, and/or one who works with pupils who are assigned to classes regularly taught by other teachers.

General Information

How to Apply for Certificate

1. Provisional

   The Ohio law provides that provisional certificates be issued "to those who have completed the respective courses prescribed therefor by the State Board of Education in an institution approved by it for the type of preparation required."

   Application forms for this certificate are processed and signed by the head of teacher education or the designated representative of the college or university in which the applicant has completed preparation for teaching.

2. Professional

   Certificates in this grade are issued only to those employed full-time in the schools of Ohio, under the provisional certificate at the time of application and who have completed the prescribed requirements. Application forms may be obtained from any school superintendent.

3. Permanent

   The permanent certificate, valid for life, is issued only to those employed full-time in the schools of Ohio, under a professional certificate at the time of application, and who have completed the prescribed requirements. Application forms may be obtained from any school superintendent.

4. Temporary

   The temporary certificate is one of sub-standard grade and is issued only when a suitable teacher holding one of the standard grade certificates cannot be found. Application for this certificate is made by the proper employing school official. (See Section 3319.28, page 3.)

Regulations Are Minimums

The regulations prescribed by the State Board of Education are minimums designed to provide professional preparation, a breadth of general education, and the necessary basic preparation in teaching fields.

Out-of-State Credentials

An applicant for certification in Ohio whose preparation for teaching has been completed in a college or university in another state may be certificated in Ohio provided:

1. The college or university in which the training was completed is currently approved for teacher education by its own state department of education, and

2. The pattern of training is substantially equivalent to the Ohio requirements.

Ohio will issue certificates in accordance with the terms of the valid contract from states with whom Ohio has established reciprocal agreements.

Foreign Credentials

An applicant for certification whose preparation for teaching was completed in a foreign college or university will be required to have an evaluation of his official transcripts made by the U. S. Office of Education or an approved college or university in Ohio.

Time for Filing Applications

An application for the provisional certificate may be filed at any time after the applicant has completed the prescribed requirements.

An application for the professional certificate or for the permanent certificate should be filed following completion of the prescribed training and experience requirements.

An application received after May 1 will be dated from September 1 of the coming school year, unless otherwise requested.

Procedures for Transferring From One Type Certificate to Another

1. Elementary to High School

   The holder of a standard elementary teacher's certificate may obtain a high school teacher's certificate by completing the teaching field requirements and a methods course for teaching at the secondary level.

2. Elementary to Special

   The holder of a standard elementary teacher's certificate may obtain the special teacher's certificate by completing the teaching field requirements and a methods course for teaching the special subject at the secondary level.

3. High School or Special to Elementary (Retraining)

   The holder of a provisional, professional, or permanent high school or special teacher's certificate may obtain a certificate valid for elementary teaching upon submitting evidence of the satisfactory completion of the following course work in elementary education:

   a. Purposes and practices of the elementary school
   b. Methods of teaching reading
   c. Methods of teaching arithmetic
   d. Child psychology

Such a certificate shall be designated as a "RETRAINING" certificate and shall be made standard upon evidence of the completion of the following course work in elementary education:

a. Visual art (two- and three-dimensional studio experience; art criticism and art history; art education, including curriculum content, visual learning development, evaluation, and philosophy)
b. English and communication arts (advanced composition; English language and linguistics; literature, including children's literature; and speech)
c. Health and physical education (personal and community health, physical development, and play and games)
d. Mathematics (properties and applications of numbers, numeration systems, and informal geometry)
e. Music (skills and theory, school music literature, music education including philosophy, curriculum content, music learning development, and evaluation)
f. Science (science in everyday living — biological and physical)
g. Social sciences (a broad distribution among the social sciences, with attention to Western and non-Western studies; American history or American government is required).

Foreign Exchange Teachers

The Department of Education will cooperate with the employing board of education in the certification of exchange teachers for a period not exceeding one school year.

Placement Bureau

The State Department of Education does not operate a placement bureau. The teacher must assume the responsibility of securing employment through administrative officers and local boards of education. Most Ohio colleges and universities maintain placement bureaus to assist their graduates.

Retirement System

For information relative to the Teacher's Retirement System, address the Executive Director, Teacher's Retirement System, 275 East Broad Street, Columbus, Ohio 43215.

Standards Not Retroactive

Periodic changes in patterns of education and other certification requirements are essential. Such requirements, when prescribed, are not

administered in such a manner as to deprive an individual of a right or privilege previously granted.

New certification standards do not alter the status of Standard Certificates issued under former standards and said certificates are renewable pursuant to the provisions of such former standards.

The individual who applies for the next higher grade certificate, or for certification in an additional field of service, shall meet the requirements in effect at the time of application.

Teachers in Military Service

Any person teaching in the public schools of Ohio, for which a certificate is required as provided in Section 3319.22 R.C., who leaves such position to serve in any branch of the armed forces may, when he returns from such service with an honorable discharge, be entitled special consideration relative to a renewal of any certificate which may have expired during such term of service. He may also be granted any other grade or type of certificate upon evidence of the completion of the requirements in effect at the time he entered upon military service.

Duplicate Certificates

Duplicate certificates may be secured at any time upon payment of the statutory fee of two dollars, provided the applicant includes a notarized statement indicating the loss of a valid certificate.

Approved Program Approach for Certifying Teachers, Administrators, Supervisors, and School Employees in Pupil Personnel Services

To provide for innovative endeavors by Ohio colleges and universities which are approved for the preparation of teachers, administrators, supervisors, and school employees in pupil personnel services, the Division of Teacher Education and Certification shall encourage the possibility for Program Approval, provided:

1. The college or university requesting to prepare school personnel under the Program Approval Approach has demonstrated its effectiveness as a teacher-education institution in accordance with the standards prescribed by the State Board of Education.
2. The college or university seeking Program Approval has made its request in writing, presenting evidence of the institution's ability to structure its efforts in the area of preservice and/or graduate teacher-education programs which assure those experiences leading to a demonstrated competency on the part of its graduates consistent with the expectancies of a candidate seeking certification as a teacher, administrator, supervisor, or school employees in pupil personnel services in Ohio schools.

3. The college or university desiring to prepare candidates for certification under the Approved Program Approach has requested visitation for approval by the Division of Teacher Education and Certification and has prepared materials for consideration which delineate the patterns of preparation to be followed and which provide evidence of the institution's ability to meet its objectives.
4. The Program Approval is restricted to those areas in which the college or university provides the faculty and facilities essential to the various specific curricula as prescribed by the State.

3

Administrative and Supervisory Certificates

EDb-301-01 Supervisor

A. *Provisional Certificate*

The provisional supervisor's certificate will be issued to the holder of a master's degree with graduate work well distributed over the following areas:

1. General or elementary and secondary supervision of instruction
2. General or elementary and secondary school curriculum
3. Social and philosophical foundations
4. Psychological foundations
5. Research
6. Planned field experience,

and with evidence of 27 months of successful classroom teaching experience under a standard certificate in the field for which the supervisor's certificate is sought.

B. *Renewal of Provisional Certificate*

A provisional supervisor's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a teacher, supervisor, or an administrator and upon evidence of the completion of 6 semester hours (9 quarter hours) of additional graduate credit in the field for which the renewal is sought.

C. *Professional Certificate*

A provisional supervisor's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a supervisor under the provisional supervisor's certificate and upon the completion of 15 semester hours (23 quarter hours) of post master's study in the area of specialization or advanced general education.

D. *Renewal of Professional Certificate*

A professional supervisor's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience.

E. *Permanent Certificate*

A professional supervisor's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a supervisor under the professional supervisor's certificate and upon evidence of continued professional growth.

EDb-301-02 Reading Supervisor

A. *Provisional Certificate*

The provisional reading supervisor's certificate will be issued to the holder of a master's degree with graduate work well distributed over the following areas:

1. Foundations and survey
2. Diagnosis and correction
3. Organization and supervision of reading programs
4. Developmental and content areas
5. Literature for children and/or adolescents
6. Personality development
7. Laboratory practice,

and with evidence of 27 months of successful classroom teaching experience under a standard teacher's certificate.

B. *Renewal of Provisional Certificate*

A provisional reading supervisor's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a teacher, a supervisor, or an administrator and upon evidence of the completion of 6 semester hours (9 quarter hours) of additional graduate credit in the field of reading.

C. *Professional Certificate*

A provisional reading supervisor's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a reading supervisor under the provisional reading supervisor's certificate and upon the completion of 15 semester hours (23 quarter hours) of post master's study in the area of reading or advanced general education.

D. *Renewal of Professional Certificate*

A professional reading supervisor's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory supervisory experience.

E. *Permanent Certificate*

A professional reading supervisor's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a reading supervisor under the professional reading supervisor's certificate and upon evidence of continued professional growth.

EDb-301-03 Elementary Principal

A. *Provisional Certificate*

The provisional elementary principal's certificate will be issued to the holder of a master's degree with graduate work well distributed over the following areas:

1. General or elementary educational administration
2. General or elementary supervision of instruction
3. General or elementary school curriculum
4. Guidance
5. Social, philosophical, or psychological foundations
6. Research and/or evaluation
7. Planned field experience,

and with evidence of 27 months of successful classroom teaching experience of which at least 18 months shall have been in the elementary grades under a standard elementary teacher's certificate.

B. *Renewal of Provisional Certificate*

A provisional elementary principal's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as an elementary school teacher, a supervisor, or an administrator and upon evidence of the completion of 6 semester hours (9 quarter hours) of additional graduate credit in elementary school administration and supervision.

C. *Professional Certificate*

A provisional elementary principal's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as an elementary principal under the provisional elementary principal's certificate and upon the completion of 15 semester hours (23 quarter hours) of post master's study in professional education and related disciplines.

D. *Renewal of Professional Certificate*

A professional elementary principal's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory administrative experience.

E. *Permanent Certificate*

A professional elementary principal's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as an elementary principal under the professional elementary principal's certificate and upon evidence of continued professional growth.

EDb-301-04 Secondary Principal

A. *Provisional Certificate*

The provisional secondary principal's certificate will be issued to the holder of a master's degree with graduate work well distributed over the following areas:

1. General or secondary educational administration
2. General or secondary supervision of instruction
3. General or secondary school curriculum
4. Guidance
5. Social, philosophical, or psychological foundations
6. Research and/or evaluation
7. Planned field experience,

and with evidence of 27 months of successful classroom teaching experience of which at least 18 months shall have been in the secondary grades under a standard high school teacher's certificate.

B. *Renewal of Provisional Certificate*

A provisional secondary principal's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a secondary school teacher, a supervisor, or an administrator and upon evidence of the completion of 6 semester hours (9 quarter hours) of additional graduate credit in secondary school administration and supervision.

C. *Professional Certificate*

A provisional secondary principal's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a secondary school administrator under the provisional secondary school principal's certificate and upon evidence of the completion of 15 semester hours (23 quarter hours) of post master's study in professional education and related disciplines.

D. *Renewal of Professional Certificate*

A professional secondary principal's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory administrative experience.

E. *Permanent Certificate*

A professional secondary principal's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a secondary principal under the professional secondary principal's certificate and upon evidence of continued professional growth.

EDb-301-05 Educational Administrative Specialist

The educational administrative specialist's certificate will be issued to school employees of the central administrative or supervisory staff of a school system in the following areas:

1. Instructional Service
2. Educational Research
3. Educational Staff Personnel Administration
4. Pupil Personnel Administration
5. School and Community Relations
6. Special Education (Exceptional Children).

A. *Provisional Certificate*

A provisional educational administrative specialist's certificate will be issued to the holder of a master's degree with 15 semester hours (23 quarter hours) of graduate work including a planned field experience in the area of specialization for which the certificate is requested and upon evidence of 27 months of successful classroom teaching experience under a standard teacher's certificate.

B. *Renewal of Provisional Certificate*

A provisional educational administrative specialist's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a teacher, a supervisor, or an administrator and upon evidence of the completion of 6 semester hours (9 quarter hours) of additional graduate credit in educational administration.

C. *Professional Certificate*

A provisional educational administrative specialist's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience in a position for which the educational administrative specialist's certificate is required and upon evidence of continued professional growth.

D. *Renewal of Professional Certificate*

A professional educational administrative specialist's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory administrative experience.

E. *Permanent Certificate*

A professional educational administrative specialist's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience in a position for which the educational administrative specialist's certificate is required and upon evidence of continued professional growth.

EDb-301-06 Local Superintendent

A. *Provisional Certificate*

The provisional local superintendent's certificate will be issued to the holder of a master's degree with graduate work well distributed over the following areas:

1. General or elementary and secondary educational administration and two of the following: law, finance, educational facilities
2. General or elementary and secondary supervision of instruction
3. General or elementary and secondary school curriculum
4. Social and philosophical foundations
5. Psychological foundations
6. Research and/or evaluation
7. Planned field experience,

and with evidence of 27 months of successful classroom teaching experience and 9 months of satisfactory experience in an administrative or supervisory position under the appropriate certificate.

B. *Renewal of Provisional Certificate*

A provisional local superintendent's certificate (or renewal thereof) may be renewed upon evidence of satisfactory experience as a teacher, a supervisor, or an administrator and upon evidence of the completion of 6 semester hours (9 quarter hours) of additional graduate credit in educational administration and supervision.

C. *Professional Certificate*

A provisional local superintendent's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a local superintendent under the provisional local superintendent's certificate and upon evidence of the completion of 60 semester hours (90 quarter hours) of graduate credit in professional education and related disciplines.

D. *Renewal of Professional Certificate*

A professional local superintendent's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as an administrator and upon evidence of continued professional growth.

E. *Permanent Certificate*

A professional local superintendent's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a local superintendent under the professional local superintendent's certificate and upon evidence of continued professional growth.

EDb-301-07 Superintendent

A. *Provisional Certificate*

The provisional superintendent's certificate will be issued to the holder of a master's degree with 60 semester hours (90 quarter hours) of graduate work well distributed over the following areas:

1. General or elementary and secondary educational administration, finance, law, educational facilities, school-community relations, and staff personnel
2. General or elementary and secondary supervision of instruction
3. General or elementary and secondary school curriculum
4. Social and philosophical foundations
5. Psychological foundations
6. Research and/or evaluation
7. Planned field experience,

and with evidence of 27 months of satisfactory experience in an administrative or supervisory position under the appropriate certificate.

B. *Renewal of Provisional Certificate*

A provisional superintendent's certificate (or renewal thereof) may be renewed upon evidence of satisfactory experience as an administrator and upon evidence of continued professional growth.

C. *Professional Certificate*

A provisional superintendent's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a superintendent, a member of the superintendent's central office staff for which the superintendent's certificate is required, or a local superintendent under the provisional superintendent's certificate and upon evidence of continued professional growth.

D. *Renewal of Professional Certificate*

A professional superintendent's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as an administrator and upon evidence of continued professional growth.

E. *Permanent Certificate*

A professional superintendent's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a superintendent, a member of the superintendent's central office staff for which the superintendent's certificate is required, or a local superintendent under the professional superintendent's certificate and upon evidence of continued professional growth.

4

Elementary and Kindergarten-Primary Teaching Certificates

EDb-301-08 Elementary Teacher (grades 1 through 8, inclusive)

A. *Provisional Certificate*

The provisional elementary teacher's certificate will be issued to the holder of a bachelor's degree provided the pattern of education leading to the degree conforms to the following requirements:

1. Professional Education (29 sem. hrs. or 44 qtr. hrs.)
   Course work well distributed over the following areas:
   a. Understanding the learner and the learning process
   b. School in relation to society
   c. Elementary school curriculum; methods, including the teaching of reading; laboratory experiences, including student teaching.

   Suggested minimum distribution: 6 sem. hrs. (9 qtr. hrs.) in a; 3 sem. hrs. (5 qtr. hrs.) in b; and 20 sem. hrs. (30 qtr. hrs.) in c.
2. General Education (60 sem. hrs. or 90 qtr. hrs.)
   Course work well distributed over the following areas:
   a. Visual art (two- and three-dimensional studio experience; art criticism; art history; art education, including curriculum content, visual learning development, evaluation, and philosophy)
   b. English and communication arts (advanced composition; English language and linguistics; literature, including children's literature; and speech)
   c. Health and physical education (personal and community health, physical development, and play and games)
   d. Mathematics (properties and applications of numbers, numeration systems, and informal geometry)
   e. Music (skills and theory; school music literature; music education including philosophy, curriculum content, music learning development, and evaluation)
   f. Science (science in everyday living — biological and physical)
   g. Social sciences (a broad distribution among the social sciences, with attention to Western and non-Western studies; American history or American government is required)
   h. Additional courses as needed to meet degree requirements.

   Suggested minimum distribution: 4, 12, 4, 6, 4, 8, 18 sem. hrs. (6, 18, 6, 9, 6, 12, 27 qtr. hrs.), respectively, in areas a through h.

EDb-301-09 Kindergarten-Primary Teacher (grades kindergarten through 3, inclusive)

A. *Provisional Certificate*

The provisional kindergarten-primary teacher's certificate will be issued to a person who has completed the general pattern of the elementary curriculum; except that 6 semester hours (9 quarter hours) of credit in theory, materials and methods, and student teaching on the kindergarten-primary level shall be included within (or in excess of) the requirements of the elementary teacher's certificate.

An elementary teacher's certificate will be validated for kindergarten teaching provided the applicant submits evidence of the completion of course work in early childhood education, including kindergarten methods and materials.

B. *Renewal of Provisional Certificate*

A provisional elementary or kindergarten-primary teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as evidenced by successful teaching experience within a five-year period immediately preceding the date of application.

A person who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

C. *Professional Certificate*

A provisional elementary or kindergarten-primary teacher's certificate may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio and upon the completion of 18 semester hours (27 quarter hours) in professional education and related disciplines completed since the granting of the initial elementary or kindergarten-primary teacher's standard certificate. The applicant must be employed full-time in the schools of Ohio at the time of application.

A holder of an elementary teacher's certificate obtained by completing the full retraining requirements may, after 27 months of successful elementary teaching experience, apply for the professional certificate.

D. *Renewal of Professional Certificate*

A professional elementary or kindergarten-primary teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

E. *Permanent Certificate*

A professional elementary or kindergarten-primary teacher's certificate may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

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EDb-301-10 High School Teaching Certificates (grades 7 through 12, inclusive)

A. *Provisional Certificate*

The provisional high school teacher's certificate will be issued to the holder of a bachelor's degree provided the pattern of education leading to the degree conforms to the following requirements:

1. Professional Education (21 sem. hrs. or 32 qtr. hrs.)
   Course work well distrbuted over the following areas:
   a. Understanding the learner and the learning process
   b. School in relation to society
   c. Secondary school curriculum; methods and laboratory experiences, including student teaching, in a field in which certification is sought.

   Suggested minimum distribution: 3 sem. hrs. (5 qtr. hrs.) in a; 3 sem. hrs. (5 qtr. hrs.) in b; and 15 sem. hrs. (23 qtr. hrs.) in c.
2. General Education (30 sem. hrs. or 45 qtr. hrs.)
   Course work well distributed over the following areas:
   a. Science and mathematics
   b. Social sciences
   c. English and/or foreign language
   d. Fine arts, philosophy and/or theological studies.

EDb-301-10-01 Comprehensive Teaching Fields

1. BUSINESS EDUCATION (45 sem. hrs. or 68 qtr. hrs.)

   Course work well distributed over the following areas:

   A. Typewriting and office procedures
      1. Business communications
      2. Introduction to data processing
      3. Office procedures
      4. Office machines
      5. Typewriting
      6. Shorthand or additional electives in business education courses

B. Business and economics
   1. Accounting
   2. Business law
   3. Economics
   4. Marketing principles

C. Electives in related areas such as:
   1. Advertising
   2. Merchandising
   3. Psychology in business
   4. Retailing
   5. Salesmanship
   6. Speech
   7. Mathematics
   8. Economic geography
   9. Business statistics.

Suggested minimum distribution: 15 sem. hrs. (23 qtr. hrs.) in each area, A, B, and C.

This certificate is valid for teaching all business subjects with the exception of shorthand unless this area has been covered.

2. COMMUNICATIONS (60 sem. hrs. or 90 qtr. hrs.)

Course work well distributed over the following areas:

A. Advanced composition; English language and linguistics; literature, including English, American, and world literature

B. Speech and drama

C. Journalism

D. Reading.

Suggested minimum distribution: 27 sem. hrs. (41 qtr. hrs.) in English and 18 sem. hrs. (27 qtr. hrs.) in Speech and drama or 18 sem. hrs. (27 qtr. hrs.) in English and 27 sem. hrs. (41 qtr. hrs.) in Speech and drama; 9 sem. hrs. (14 qtr. hrs.) in Journalism; and 6 sem. hrs. (9 qtr. hrs.) in Reading.

This certificate is valid for teaching an integrated communications course and all of the component areas.

3. FAMILY LIFE EDUCATION (60 sem. hrs. or 90 qtr. hrs.)

Course work well distributed over the following areas:

A. General psychology
   1. Developmental
   2. Social

B. Human biology
   1. Physiology
   2. Pharmacology

C. Health (personal and community)
   1. Nutrition
   2. Recreation
   3. Safety
   4. First aid
   5. Disease prevention and control
   6. Mental and emotional health problems

D. Sociology

E. Marriage and the family

F. Home arts

G. Consumer economics.

This certificate is valid for teaching an integrated family-life education course.

4. HUMANITIES (60 sem. hrs. or 90 qtr. hrs.)

   Course work well distributed over the following areas:

   A. Visual art

   B. Music

   C. Literature

   D. Cultural history

   E. Philosophy

   F. Suggested electives:
      1. Dance
      2. Drama
      3. Theatre.

   Suggested minimum distribution: concentration in A, B, or C with course work well distributed over the other areas.

   This certificate is valid for teaching an integrated humanities course.

5. SCIENCE (60 sem. hrs. or 90 qtr. hrs.)

   Course work well distributed over the following areas:

   A. Biological science

   B. Earth science

   C. Physical science.

   All courses should provide an appropriate combination of formal instruction and laboratory experiences.

   Suggested minimum distribution: 20 sem. hrs. (30 qtr. hrs.) in each area.

   This certificate is valid for teaching all science subjects.

6. SOCIAL STUDIES (60 sem. hrs. or 90 qtr. hrs.)

Course work well distributed over the following areas:

A. History (basic courses in American and world history including European and non-Western history)
B. Political science
C. Economics
D. Sociology
E. Geography
F. Anthropology.

Suggested minimum distribution: 20 sem. hrs. (30 qtr. hrs.) in history and course work in each of the remaining areas.

This certificate is valid for teaching an integrated social studies course, history, and any other component area in which the applicant has at least 12 sem. hrs. (18 qtr. hrs.).

EDb-301-10-02 Specific High School Teaching Fields

1. VISUAL ART (30 sem. hrs. or 45 qtr. hrs.)

Course work well distributed over the following areas:

A. Studio studies
   1. Two-dimensional studies (varied media in design, drawing, painting, and printmaking)
   2. Three-dimensional studies (varied media in design, sculpture, and crafts including fabrics, wood, metal, and clay)
   3. Graphic communication (design and symbolic function of letters)
   4. Advanced study in one of the above fields or in film arts
B. Art history and criticism (art appreciation)
   1. Art history
   2. Advanced study in art criticism, aesthetics, art history, or environmental design.

Suggested minimum distribution: 20 sem. hrs. (30 qtr. hrs.) in group A; 6 sem. hrs. (9 qtr. hrs.) in group B; and 4 sem. hrs. (6 qtr. hrs.) electives in either A or B.

2. BIOLOGICAL SCIENCE (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. General chemistry
B. The structure of organisms
C. Regulation and maintenance in organisms

D. Continuity and variation in organisms
E. Diversity and inter-relationships of organisms.

3. BOOKKEEPING AND BASIC BUSINESS (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Accounting
B. Economics
C. Business electives.

Acceptable courses in C include business law, economic geography, business organization, introduction to business, business mathematics, consumer economics, and business machines.

Suggested minimum distribution: 6 sem. hrs. (9 qtr. hrs.) in A; 3 sem. hrs. (5 qtr. hrs.) in B; and 11 sem. hrs. (17 qtr. hrs.) in C.

4. CHEMISTRY (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. General chemistry
B. Quantitative analysis
C. Organic chemistry
D. Advanced chemistry
E. Suggested electives (basic courses in physics or physical chemistry).

5. EARTH SCIENCE (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. The solid earth (materials, structure, processes, and landforms)
B. Earth history and paleobiology
C. The atmosphere
D. The hydrosphere
E. The earth's environment in space.

6. ECONOMICS (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Principles of economics
B. Micro and macro economics
C. Comparative economic systems
D. Money and banking
E. International trade
F. Economic history of the United States.

7. EDUCATIONAL MEDIA (20 sem. hrs. or 30 qtr. hrs.)

   Course work including print and nonprint materials well distributed over the following areas:

   A. Selection of educational media, effective utilization, and production
   B. Bibliography, including children's literature and adult literature suitable to the middle and high school
   C. Reference tools
   D. Cataloging and classification
   E. Organization, administration, and utilization of the educational media center.

8. ENGLISH (30 sem. hrs. or 45 qtr. hrs.)

   Course work well distributed over the following areas:

   A. Advanced composition, English language and linguistics
   B. English, American, and world literature
   C. Developmental reading.

   Suggested minimum distribution: 9, 18, 3 sem. hrs. (14, 27, 5 qtr. hrs.), respectively, in areas A, B, and C.

9. GENERAL SCIENCE (20 sem. hrs. or 30 qtr. hrs.)

   Course work well distributed over the following areas:

   A. Biology
   B. Chemistry
   C. Earth science
   D. Physics.

   Integrated physical science course work may supplant basic physics and chemistry courses.

   This certificate is valid for teaching an integrated general science course.

10. GEOGRAPHY (20 sem. hrs. or 30 qtr. hrs.)

    Course work well distributed over the following areas:

    A. Physical geography
    B. Human geography
    C. Regional geography.

11. HEALTH (20 sem. hrs. or 30 qtr. hrs.)

    Course work well distributed over the following areas:

    A. Human anatomy and physiology
    B. The school health program
       1. School health instruction
       2. School health services and environment

C. Basic subject matter in health
   1. Personal health problems
   2. Community health problems
   3. Safety education and first aid

D. Electives in related areas such as:
   1. School-community relationships
   2. Principles, organization, and administration of school health-education programs
   3. Microbiology (bacteriology)
   4. Nutrition
   5. Mental and emotional health
   6. Physiology of exercise
   7. Marriage and family life.

Suggested minimum distribution: 3 sem. hrs. (5 qtr. hrs.) in area A; 6 sem. hrs. (9 qtr. hrs.) in area B; 9 sem. hrs. (14 qtr. hrs.) in area C; and 2 sem. hrs. (3 qtr. hrs.) in area D.

12. HISTORY (30 sem. hrs. or 45 qtr. hrs.)

Course work well distributed over the following areas:

A. American history

B. World history including European and non-Western history.

13. HOME ECONOMICS (30 sem. hrs. or 45 qtr. hrs.)

Course work well distributed over the following areas:

A. Child care and development

B. Foods and nutrition

C. Clothing and textiles

D. Home management, including family economics

E. Housing, home equipment, and furnishings

F. Family living.

14. INDUSTRIAL ARTS (30 sem. hrs. or 45 qtr. hrs.)

Course work well distributed over the following areas:

A. Industrial crafts

B. Drafting design

C. Electricity-electronics

D. Graphic arts

E. Metal technology

F. Wood technology

G. Power mechanics.

15. JOURNALISM (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Introduction of mass media
B. Basic newswriting
C. Editing
D. Supervision of school publications
E. Advanced journalistic writing
F. Electives in advanced journalism and related areas.

16. LANGUAGES

Latin and Greek (20 sem. hrs. or 30 qtr. hrs.)
All other languages (30 sem. hrs. or 45 qtr. hrs.)

17. MATHEMATICS (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Analytic geometry and calculus
B. Post-calculus courses selected from the following areas:
    1. Algebraic structures
    2. Linear algebra
    3. Differential equations
    4. Numerical analysis
    5. Advanced calculus
    6. Geometry
    7. Probability
    8. Statistics.

Suggested minimum distribution: 8 sem. hrs. (12 qtr. hrs.) from group A; and 12 sem. hrs. (18 qtr. hrs.) from group B.

18. MUSIC (30 sem. hrs. or 45 qtr. hrs.)

Course work well distributed over the following areas:

A. Music literature in world cultures
B. Basic musicality, theory, and analysis
C. Individual performance (piano, voice, and instrument)
D. Performance groups, functional music, and conducting
E. Electives in A through D to satisfy individual needs.

Suggested minimum distribution: 6 sem. hrs. (9 qtr. hrs.) in each group, A through E.

19. PHYSICAL EDUCATION (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Human anatomy and physiology
B. Kinesiology

C. History, philosophy, and principles of physical education; and administration and organization of physical education

D. Secondary school activities and procedures including rhythms, gymnastics, aquatics, sports, athletics, and "movement education"

E. First aid, prevention, and care of injuries

F. Electives related to the field of specialization in physical education, outdoor education, recreation, aquatics, officiating, dance, intramurals, coaching, adapted physical education, and personal health problems.

Suggested minimum distribution: 4 sem. hrs. (6 qtr. hrs.) in each area, A and C; 6 sem. hrs. (9 qtr. hrs.) in D; 2 sem. hrs. (3 qtr. hrs.) in each area, B, E, and F.

20. PHYSICS (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Physical science (including beginning, intermediate, and advanced courses in physics)

B. General chemistry.

This certificate is valid for teaching an integrated physical science course and physics.

21. POLITICAL SCIENCE (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. The American system of government

B. Comparative political systems

C. American constitutional law

D. American state governments and politics

E. Urban government and politics

F. International politics

G. Political parties, pressure groups, and public opinion.

22. SALES-COMMUNICATION (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Principles of marketing

B. Salesmanship and retailing

C. Business communications and data processing

D. Suggested electives (accounting, advertising, economic geography, merchandising, speech, office procedures, office machines, and typing).

Suggested minimum distribution: 3 sem. hrs. (5 qtr. hrs.) in each area A, B, and C with course work in area D.

23. SOCIAL PSYCHOLOGY (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Learning theories and study techniques
B. Philosophy
C. Psychology of personality
D. Social psychology.

24. SOCIOLOGY (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Introduction to sociology
B. Social problems
C. Social organization
D. Urban and community problems
E. Marriage and the family.

25. SPEECH (30 sem. hrs. or 45 qtr. hrs.)

Course work well distributed over the following areas:

A. Fundamental processes; speech fundamentals; and electives in basic speech process (physics of sound, listening, phonetics, semantics, and linguistics)
B. Theory and history of speech
   1. Communication media theory (communication, rhetorical, psychological, argumentation, and theatrical)
   2. Communication media history (public address, radio-television, and theater)
C. Forms of speech
   1. Oral interpretation
   2. Public address (platform speaking, discussion, and debate)
   3. Theater (acting, play direction, and technical theater).

Sugggested minimum distribution: 6, 10, 14 sem. hrs. (9, 15, 21 qtr. hrs.), respectively, in areas A, B, and C.

26. STENOGRAPHY AND TYPING (20 sem. hrs. or 30 qtr. hrs.)

Course work well distributed over the following areas:

A. Typewriting
B. Shorthand and transcription
C. Business English
D. Office procedures
E. Business correspondence.

EDb-301-10-03 Validation of Standard Certificates for Other Teaching Fields

A standard teaching certificate may be validated for the following subjects upon evidence of course coverage as indicated in each category:

1. DATA PROCESSING (6 sem. hrs. or 9 qtr. hrs.)
2. DRIVER EDUCATION (6 sem. hrs. or 9 qtr. hrs.)
3. READING (12 sem. hrs. or 18 qtr. hrs.)

   Course work well distributed over the following areas:
   A. Foundations and survey
   B. Diagnosis and correction
   C. Developmental and content areas
   D. Laboratory practice.
4. TYPING (5 sem. hrs. or 8 qtr. hrs.)

EDb-301-10-04 High School Teaching Certificates (grades 7 through 12, inclusive)

A certificate issued by the State of Ohio for high school teaching fields is valid for teaching that subject or any subject listed as a required course in that area, in grades 7 through 12, inclusive, unless otherwise noted on the certificate or stated in the laws and regulations governing certification.

A certificate may be issued in other teaching fields provided the applicant has completed a minimum of 20 semester hours (30 quarter hours) of appropriate credit.

(Teaching areas are not designated as majors or minors.)

A. *Renewal of Provisional Certificate*

A provisional high school teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as evidenced by successful teaching experience within a five-year period immediately preceding the date of application.

A person who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

B. *Professional Certificate*

A provisional high school teacher's certificate may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio and upon the completion of 18 semester hours (27 quarter hours) in professional education and related disciplines completed since the granting of the initial high school teacher's standard certificate. The applicant must be employed full-time in the schools of Ohio at the time of application.

C. *Renewal of Professional Certificate*

A professional high school teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

D. *Permanent Certificate*

A professional high school teacher's certificate may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

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EDb-301-11 Pupil Personnel Services

EDb-301-11-01 School Counselor

A. *Scope of Service*

Duties performed by school counselors include:

1. Counseling and assisting students with educational, personal-social, occupational, placement, and related problems in planning and adjustment
2. Working with teachers in studying, diagnosing, and understanding students; planning and conducting group guidance activities; utilizing community resources; and participating in in-service teacher-education activities
3. Working with the administrative staff and other school personnel in planning, developing, and conducting the total guidance program, curriculum study, and research
4. Working with lay groups, parents, and individuals in coordinating school and community resources and activities which contribute to the improvement of pupil personnel services.

B. *Provisional Certificate*

The provisional school counselor's certificate will be issued to the holder of a master's degree with 24 semester hours (36 quarter hours) of graduate work well distributed over the following areas:

1. Guidance (principles and practices, administration of guidance or of pupil personnel programs)
2. Human development (career, personal, and social development of children and youth as related to educational and vocational maturity)
3. Individual and group appraisal (statistics, guidance testing, and case study procedures)
4. Counseling (principles, theory, and procedures)
5. Group methods in guidance and counseling

6. Guidance information (educational-occupational information, school and community resources, and survey of vocational education)
7. Practicum (supervised practical experience in guidance and counseling),

and with evidence of a standard teaching certificate valid for teaching in Ohio, one year of successful classroom teaching experience, one cumulative year of gainful employment in a non-teaching position, and one additional year of experience in either a teaching or non-teaching position, or in a combination of the two.

C. *Renewal of Provisional Certificate*

A provisional school counselor's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a teacher or school counselor and upon evidence of the completion of 6 semester hours (9 quarter hours) of graduate work in guidance and counseling beyond the minimum course requirements for the provisional certificate.

D. *Professional Certificate*

A provisional school counselor's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a school counselor under the provisional school counselor's certificate and upon evidence of the completion of 15 semester hours (23 quarter hours) of graduate work in guidance and counseling beyond the minimum course requirements for the provisional certificate.

E. *Renewal of Professional Certificate*

A professional school counselor's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a school counselor.

F. *Permanent Certificate*

A professional school counselor's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a school counselor under the professional school counselor's certificate and upon evidence of continued professional growth.

EDb-301-11-02 School Psychologist

A. *Scope of Service*

The primary responsibility of the school psychologist is to assist the school in improving the achievement and adjustment of pupils.

The primary function of the school psychologist shall be the intensive, individual psychological study of pupils referred to him because of

learning and/or adjustment problems. He uses the resulting information and understanding about pupils in consultation and in follow-up services with pupils, parents, teachers, and professional workers in the school and in the community.

As a result of such study and because of his special training, he functions as:

1. A consultant to supervisors and administrators in problems relating to special education, curriculum and instruction, group testing, counseling and guidance, pupil personnel policies, and other matters relating to the adjustment of the individual child in the school setting
2. A resource person to the school staff and community in developing better understanding and application of the principles of child development, learning, mental health, and the implication of individual differences.

B. *Provisional Certificate*

The provisional school psychologist's certificate will be issued to the holder of a master's degree with 24 semester hours (36 quarter hours) of graduate work well distributed over the following areas:

1. Psychology of human development
2. The psychology of learning
3. The psychology of normal personality
4. Standardized group measurement and evaluation
5. Statistics and research design
6. The psycho-educational evaluation of children using individual testing techniques and evaluative skills with laboratory experiences including practice in the interpretation of tests and other data (at least 6 semester hours or 9 quarter hours in this area shall be in a planned sequence)
7. The implications of individual psychological evaluation of exceptional children for classroom management, instructional materials, and teaching methodology
8. The psychology of counseling and interviewing techniques with supervised experience
9. The role and function of the psychologist in the school,

with evidence of an Ohio teacher's certificate, and upon evidence of 9 months of satisfactory full-time internship in a school setting under the supervision of a certificated school psychologist in cooperation with an approved college or univerity program. (This requirement may be waived upon evidence of 18 months of satisfactory experience as a school psychologist in the schools of another state.)

(OR)

The provisional school psychologist's certificate will be issued to the applicant who does not hold an Ohio teacher's certificate provided the above requirements have been met and he has completed 12

semester hours (18 quarter hours) of course work well distributed over the following areas:

1. The curriculum of the schools
2. The purpose and organization of the school
3. Directed observation of and participation in the normal school processes under supervision within a school setting
4. Educational administration
5. Remedial instruction and educational disability.

C. *Renewal of Provisional Certificate*

A provisional school psychologist's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a school psychologist within a five-year period immediately preceding the date of application.

A holder of the certificate who has not served as a school psychologist within this five-year period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field.

D. *Professional Certificate*

A provisional school psychologist's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a school psychologist under the provisional school psychologist's certificate and upon evidence of the completion of 8 semester hours (12 quarter hours) of graduate work beyond the minimum requirements for the provisional certificate, 6 semester hours (9 quarter hours) of which must be in the areas of psychology and/or education.

E. *Renewal of Professional Certificate*

A professional school psychologist's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a school psychologist.

F. *Permanent Certificate*

A professional school psychologist's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a school psychologist under the professional school psychologist's certificate and upon the evidence of the competion of 8 semester hours (12 quarter hours) of graduate work beyond the minimum requirements for the professional certificate, 4 semester hours (6 quarter hours) of which shall be in the areas of psychology and/or education.

EDb-301-11-03 Visiting Teacher

A. *Scope of Service*

The primary responsibility of the visiting teacher shall be to work with pupils who are experiencing difficulty with school adjustment. This service supplements the contribution of the teacher and other school personnel and is carried out in cooperation with them. As a liaison service, it helps to integrate school and community services for the benefit of the child.

B. *Provisional Certificate*

The provisional visiting teacher's certificate will be issued to the holder of a master's degree with 14 semester hours (21 quarter hours) of graduate work well distributed over the following areas:

1. Human growth and development
2. Psychology of exceptional children
3. Educational psychology
4. Testing and measurements
5. Pupil personnel services
6. Counseling principles and procedures or social casework
7. Ohio school law, family counseling, community organization, or juvenile delinquency,

and with evidence of one year of satisfactory experience as a classroom teacher, school psychologist, school counselor, or school social worker, or with the equivalent of one semester of full-time internship in a school setting under the supervision of a certificated visiting teacher in cooperation with an approved college or university program.

C. *Renewal of Provisional Certificate*

The provisional visiting teacher's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a visiting teacher within a five-year period immediately preceding the date of application.

A holder of a provisional certificate who has not served as a visiting teacher within this five-year period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field.

D. *Professional Certificate*

A provisional visiting teacher's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a visiting teacher under the provisional visiting teacher's certificate.

E. *Renewal of Professional Certificate*

A professional visiting teacher's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a visiting teacher.

F. *Permanent Certificate*

A professional visiting teacher's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a visiting teacher under the professional visiting teacher's certificate and upon evidence of the completion of two additional graduate courses in the area of pupil personnel services completed since the granting of the initial visiting teacher's certificate.

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EDb-301-12 Special Teaching Certificates (grades kindergarten through 12, inclusive)

The special teaching certificate is valid for teaching any subject appearing on the certificate in grades kindergarten through 12, inclusive, unless otherwise noted on the certificate or stated in the laws and regulations governing certification.

A. *Provisional Certificate*

The provisional special teacher's certificate will be issued to the holder of a bachelor's degree provided the pattern of training leading to the degree conforms to the following requirements:

1. Professional Education (21 sem. hrs. or 32 qtr. hrs.)

   Course work well distributed over the following areas:

   a. Understanding the learner and the learning process
   b. School in relation to society
   c. General curriculum; methods and laboratory experiences, including student teaching, at both the elementary and secondary level, in a field in which certification is sought.

   Suggested minimum distribution: 3 sem. hrs. (5 qtr. hrs.) in a; 3 sem. hrs. (5 qtr. hrs.) in b; and 15 sem. hrs. (23 qtr. hrs.) in c.

2. General Education (30 sem. hrs. or 45 qtr. hrs.)

   Course work well distributed over the following areas:

   a. Science and mathematics
   b. Social sciences
   c. English and/or foreign language
   d. Fine arts, philosophy and/or theological studies.

EDb-301-12-01 Areas of Specialization

1. VISUAL ART (50 sem. hrs. or 75 qtr. hrs.)

   Course work well distributed over the following areas:

   A. Studio studies
      1. Two-dimensional studies (varied media in design, drawing, painting, and printmaking)
      2. Three-dimensional studies (varied media in design, sculpture, and crafts including fabrics, wood, metal, and clay)
      3. Graphic communication (design and symbolic functions of letters)
      4. Advanced study in one of the above fields or in film arts

   B. Art history and criticism (art appreciation)
      1. Art history
      2. Advanced study in art criticism, aesthetics, art history, or environmental design.

   Suggested minimum distribution: 30 sem. hrs. (45 qtr. hrs.) in group A; 10 sem. hrs. (15 qtr. hrs.) in group B; and 10 sem. hrs. (15 qtr. hrs.) electives in either group A or B.

   VISUAL ART — ELEMENTARY SCHOOL ONLY (20 sem. hrs. or 30 qtr. hrs.)

   The holder of a standard elementary teacher's certificate may have that certificate validated for teaching visual art in the elementary school upon evidence of 20 semester hours (30 quarter hours) of course work well distributed over the following areas:

   A. Studio studies
      1. Two-dimensional studies (varied media in design, drawing, painting, and printmaking)
      2. Three-dimensional studies (varied media in design, sculpture, and crafts including fabrics, wood, metal, and clay)
      3. Graphic communication (design and symbolic function of letters)

   B. Art history and criticism (art appreciation)

   C. Art education (curriculum content, visual learning development, evaluation, and philosophy).

   Suggested minimum distribution: 12 sem. hrs. (18 qtr. hrs.) in group A; 4 sem. hrs. (6 qtr. hrs.) in group B; and 4 sem. hrs. (6 qtr. hrs.) in group C.

2. EDUCATIONAL MEDIA (30 sem. hrs. or 45 qtr. hrs.)

Course work including print and nonprint materials well distributed over the following areas:

A. Selection of educational media, effective utilization, and production

B. Bibliography, including children's literature and adult literature suitable to the elementary, middle, and high school

C. Reference tools

D. Cataloging and classification

E. Organization, administration, and utilization of the educational media center

F. Practical experience in an educational media center as part of the student teaching experiences.

EDUCATIONAL MEDIA -- ELEMENTARY SCHOOL ONLY (20 sem. hrs. or 30 qtr. hrs.)

The holder of a standard elementary teacher's certificate may have that certificate validated for educational media in the elementary school upon evidence of 20 semester hours (30 quarter hours) of course work including print and nonprint materials well distributed over the following areas:

A. Selection of educational media, effective utilization, and production

B. Bibliography, including children's literature

C. Reference tools

D. Cataloging and classification

E. Organization, administration, and utilization of the educational media center.

3. HEALTH EDUCATION (30 sem. hrs. or 45 qtr. hrs.)

Course work well distributed over the following areas:

A. Human anatomy and physiology

B. The school health program
   1. School health instruction
   2. School health services and environment
   3. Principles, organization, and administration of school health education programs

C. Basic subject matter in health
   1. Personal health problems

2. Community health problems
3. Safety education and first aid

D. Behavioral science
1. Fundamentals of sociology
2. General psychology

E. Electives in related areas such as:
1. School-community relationships
2. Microbiology (bacteriology)
3. Nutrition
4. Mental and emotional health
5. Physiology of exercise
6. Marriage and family life
7. Measurement and evaluation of health.

Suggested minimum distribution: 6 sem. hrs. (9 qtr. hrs.) in area A; 9 sem. hrs. (14 qtr. hrs.) in area B; 9 sem. hrs. (14 qtr. hrs.) in area C; 3 sem. hrs. (5 qtr. hrs.) in area D; and 3 sem. hrs. (5 qtr. hrs.) in area E.

4. INDUSTRIAL ARTS (45 sem. hrs. or 68 qtr. hrs.)

Course work well distributed over the following areas:

A. Industrial crafts (plastic, leather, metal, and wood)

B. Drafting/design

C. Electricity-electronics

D. Graphic arts

E. Metal technology

F. Wood technology

G. Power mechanics

H. Additional work in fundamental processes as they apply to the elementary-age child.

5. LANGUAGES (30 sem. hrs. or 45 qtr. hrs.)

Thirty semester hours (45 quarter hours) in a modern foreign language.

LANGUAGES — ELEMENTARY SCHOOL ONLY (20 sem. hrs. or 30 qtr. hrs.)

The holder of a standard elementary teacher's certificate may have that certificate validated for teaching of a modern foreign language in the

elementary school upon evidence of 20 semester hours (30 quarter hours) of credit in a modern foreign language.

6. MUSIC (50 sem. hrs. or 75 qtr. hrs.)

   Course work well distributed over the following areas:

   A. Music literature in world cultures, including contemporary music
   B. Basic musicality, theory, and analysis
   C. Composition, improvisation, and arranging
   D. Individual performance (piano, voice, and instrument)
   E. Group performance and conducting
   F. Functional music
   G. Music education in elementary and secondary schools
   H. Elective areas of music teaching specialization (general, vocal, and instrumental) including application of teaching-learning processes in music to the elementary-age child.

   Suggested minimum distribution: 6 sem. hrs. (9 qtr. hrs.) each in areas A, C, D, E, F, G, and H; and 8 sem. hrs. (12 qtr. hrs.) in area B.

   MUSIC — ELEMENTARY SCHOOL ONLY (20 sem. hrs. or 30 qtr. hrs.)

   The holder of a standard elementary teacher's certificate may have that certificate validated for music in the elementary school upon evidence of 20 semester hours (30 quarter hours) of course work well distributed over the following areas:

   A. Music literature in world cultures
   B. Basic musicality, theory, analysis, and improvisation
   C. Performance for teaching (group performance; functional piano, voice, and instruments; and conducting)
   D. Music education including music for early childhood
   E. Laboratory experiences in general music teaching.

   Suggested minimum distribution: 2 sem. hrs. (3 qtr. hrs.) in A; 4 sem. hrs. (6 qtr. hrs.) in B; 6 sem. hrs. (9 qtr. hrs.) in C; 6 sem. hrs. (9 qtr. hrs.) in D; and 2 sem. hrs. (3 qtr. hrs.) in E.

7. PHYSICAL EDUCATION (45 sem. hrs. or 68 qtr. hrs.)

   Course work well distributed over the following areas:

   A. Human anatomy and physiology
   B. Kinesiology, physiology of activity, and motor learning

C. History, philosophy, and principles of physical education; administration and organization of physical education

D. Elementary school program activities and procedures, including basic movement, rhythms, self-testing, and games

E. Secondary school program activities and procedures, including rhythms, gymnastics, aquatics, sports, athletics, and "movement education"

F. Adapted physical education, including the teaching of all handicapped children

G. School health services, school-community relationships, or healthful environment

H. First aid, prevention, and care of injuries

I. Evaluation and measurement in physical education

J. Electives related to the field of specialization in physical education (coaching, outdoor education, recreation, aquatics, officiating, dance, intramural activities, personal health problems, and community health problems).

Suggested minimum distribution: 6 sem. hrs. (9 qtr. hrs.) each in areas A, B, C, D, E, and J; 3 sem. hrs. (5 qtr. hrs.) in area G; and 2 sem. hrs. (3 qtr. hrs.) in areas F, H and I.

PHYSICAL EDUCATION — ELEMENTARY SCHOOL ONLY
(20 sem. hrs. or 30 qtr. hrs.)

The holder of a standard teaching certificate may have that certificate validated for teaching of physical education in the elementary school upon evidence of 20 semester hours (30 quarter hours) of course work well distributed over the following areas:

A. Human anatomy and physiology

B. Kinesiology, physiology of activity, and motor learning

C. Elementary school program activities and procedures, including basic movement, rhythms, self-testing, and games

D. Adapted physical education, including the teaching of all handicapped children

E. First aid, prevention, and care of injuries

F. Evaluation and measurement in physical education.

Suggested minimum distribution: 6 sem. hrs. (9 qtr. hrs.) each in areas B and C; and 2 sem. hrs. (3 qtr. hrs.) each in areas A, D, E, and F.

8. SPEECH (40 sem. hrs. or 60 qtr. hrs.)

Course work well distributed over the following areas:

A. Fundamental processes; speech fundamentals; and electives in basic speech processes (physics of sound, listening, phonetics, semantics, and linguistics)

B. Theory and history of speech
   1. Communication media theory (communication, rhetorical, psychological, argumentation, and theatrical)
   2. Communication media history (public address, radio-television, and theater)

C. Forms of speech
   1. Oral interpretation
   2. Public address (platform speaking, discussion, and debate)
   3. Theater (acting, play direction, and technical theater)

D. Additional work in fundamental processes, theory and history, and laboratory experience as they apply to the elementary-age child.

Suggested minimum distribution: 6, 10, 14, 10 sem. hrs. (9, 15, 21, 15 qtr. hrs.), respectively, in areas A, B, C, and D.

EDb-301-12-02 Special Teaching Certificates (grades kindergarten through 12, inclusive)

A. *Renewal of Provisional Certificate*

A provisional special teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demonstrated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional special teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

B. *Professional Certificate*

A provisional special teacher's certificate may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio under the standard provisional certificate and upon evidence of the completion of 18 semester hours (27 quarter hours) in professional education and related disciplines completed

since the granting of the initial special teacher's standard certificate. The applicant must be employed full-time in the schools of Ohio at the time of application.

C. *Renewal of Professional Certificate*

A professional special teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

D. *Permanent Certificate*

A professional special teacher's certificate may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

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EDb-301-13 Special Education Teaching Certificates (exceptional children)

EDb-301-13-01 Teachers of the Deaf and Hard-of-Hearing

A. *Provisional Certificate*

The provisional special education teacher's certificate to teach the deaf and hard-of-hearing will be issued to the holder of a bachelor's degree and upon evidence of the following pattern of education:

Two courses in each of the following areas:

1. The teaching of speech to the deaf
2. The teaching of language to the deaf
3. Methods of teaching elementary subjects to the deaf.

Course work well distributed over the following areas:

1. Education and guidance of the deaf
2. Audiometry and hearing aids
3. Auditory training and speech reading
4. Education of exceptional children with learning disabilities and/or behavior disorders
5. Student teaching in classes for the deaf.

B. *Renewal of Provisional Certificate*

A provisional special education teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demonstrated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional special education teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

C. *Professional Certificate*

A provisional special education teacher's certificate to teach the deaf and hard-of-hearing may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio under the provisional certificate to be converted. The applicant must be employed full-time in the schools of Ohio at the time of application.

D. *Renewal of Professional Certificate*

A professional special education teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

E. *Permanent Certificate*

A professional special education teacher's certificate to teach the deaf and hard-of-hearing may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

EDb-301-13-02 Teachers of the Orthopedically Handicapped

A. *Provisional Certificate*

The provisional special education teacher's certificate to teach the orthopedically handicapped will be issued to the holder of a standard teaching certificate and upon evidence of the following pattern of education:

Course work well distributed over the following areas:

1. Education of the orthopedically handicapped
2. Education and psychology of the educable mentally retarded
3. Education of exceptional children with learning disabilities and behavior disorders
4. Student teaching in classes for the orthopedically handicapped.

B. *Renewal of Provisional Certificate*

A provisional special education teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demonstrated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional special education teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

C. *Professional Certificate*

A provisional special education teacher's certificate to teach the orthopedically handicapped may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio under the provisional certificate to be converted. The applicant must be employed full-time in the schools of Ohio at the time of application.

D. *Renewal of Professional Certificate*

A professional special education teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

E. *Permanent Certificate*

A professional special education teacher's certificate to teach the orthopedically handicapped may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

EDb-301-13-03 Physical Therapist

A. *Provisional Certificate*

The provisional special education teacher's certificate for physical therapy will be issued to the holder of a bachelor's degree and an Ohio Medical Board License in physical therapy.

B. *Renewal of Provisional Certificate*

A provisional special education teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demonstrated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional special education teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

C. *Professional Certificate*

A provisional special education teacher's certificate for physical therapy may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio under the

provisional certificate to be converted and one course in each of the following areas:

1. Education and psychology of the educable mentally retarded
2. Education of exceptional children with learning disabilities and behavioral disorders.

The applicant must be employed full-time in the schools of Ohio at the time of application.

D. *Renewal of Professional Certificate*

A professional special education teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

E. *Permanent Certificate*

A professional special education teacher's certificate for physical therapy may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

EDb-301-13-04 Occupational Therapist

A. *Provisional Certificate*

The provisional special education teacher's certificate for occupational therapy will be issued to the holder of a bachelor's degree and the completion of the approved curriculum as required by the Council on Medical Education and Hospitals of the American Medical Association in occupational therapy and with a minimum of 9 months internship in clinical affiliations.

B. *Renewal of Provisional Certificate*

A provisional special education teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demonstrated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional special education teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

C. *Professional Certificate*

A provisional special education teacher's certificate for occupational therapy may be converted into a professional certificate upon evi-

dence of 27 months of successful teaching experience in Ohio under the provisional certificate to be converted and upon evidence of the completion of one course in each of the following areas:

1. Education and psychology of educable mentally retarded children
2. Education of exceptional children with learning disabilities and behavioral disorders.

The applicant must be employed full-time in the schools of Ohio at the time of application.

D. *Renewal of Professional Certificate*

A professional special education teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

E. *Permanent Certificate*

A professional special education teacher's certificate for occupational therapy may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

EDb-301-13-05 Teachers of the Visually Handicapped

A. *Provisional Certificate*

The provisional special education teacher's certificate to teach visually handicapped children will be issued to the holder of a standard teaching certificate and upon evidence of the following pattern of education:

Course work well distributed over the following areas:

1. Curriculum, instructional materials, and educational media for the visually handicapped
2. Daily living skills, mobility training, and occupational orientation for the visually handicapped
3. Education of exceptional children with learning disabilities and behavior disorders
4. Principles and methods of teaching Braille (2 courses in this area)
5. Observation and student teaching in classes for the visually handicapped.

B. *Renewal of Provisional Certificate*

A provisional special education teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demon-

strated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional special education teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

C. *Professional Certificate*

A provisional special education teacher's certificate to teach the visually handicapped may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio under the provisional certificate to be converted. The applicant must be employed full-time in the schools of Ohio at the time of application.

D. *Renewal of Professional Certificate*

A professional special education teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

E. *Permanent Certificate*

A professional special education teacher's certificate to teach the visually handicapped may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

EDb-301-13-06 Teachers of the Educable Mentally Retarded

A. *Provisional Certificate*

The provisional special education teacher's certificate to teach the educable mentally retarded will be issued to the holder of a bachelor's degree and upon evidence of the following pattern of education:

Course work well distributed over the following areas:

1. Education and psychology of the educable mentally retarded
2. Occupational orientation and job training for the educable mentally retarded
3. Education of exceptional children with learning disabilities and behavior disorders
4. Preparation, selection, and adaptation of instructional material; principles and practices in curriculum planning and program development in communication, arithmetic, social studies, and social

skills for the educable mentally retarded; and instructional processes and methodology in basic academic skills

5. Student teaching in classes for the educable mentally retarded.

(OR)

The provisional special education teacher's certificate to teach the educable mentally retarded may be issued to the holder of a standard teaching certificate and upon evidence of the following pattern of education:

Course work well distributed over the following areas:

1. Education and psychology of the educable mentally retarded
2. Occupational orientation and job training for the educable mentally retarded
3. Curriculum and instructional materials for the educable mentally retarded
4. Education of exceptional children with learning disabilities and behavior disorders
5. Student teaching in classes for the educable mentally retarded.

B. *Renewal of Provisional Certificate*

A provisional special education teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demonstrated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional special education teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

C. *Professional Certificate*

A provisional special education teacher's certificate to teach the educable mentally retarded may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio under the provisional certificate to be converted. The applicant must be employed full-time in the schools of Ohio at the time of application.

D. *Renewal of Professional Certificate*

A professional special education teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

E. *Permanent Certificate*

A professional special education teacher's certificate to teach the educable mentally retarded may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under

the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

EDb-301-13-07 Speech and Hearing Therapist

A. *Provisional Certificate*

The provisional special education teacher's certificate for speech and hearing therapy will be issued to the holder of a bachelor's degree and upon evidence of the following pattern of education:

Course work well distributed over the following areas:

1. Normal aspects of communication
   a. Voice and diction
   b. Human growth and development
   c. Phonetics
2. Disorders of human communication
   a. Beginning speech pathology (emphasis on functional problems)
   b. Advanced speech pathology (emphasis on organic problems)
   c. Stuttering and/or psychogenic disorders of speech
   d. Voice problems
   e. Introduction to audiology and hearing conversation
   f. Methods in speech reading and auditory training
   g. Language disorders
3. Related fields
   a. Education of exceptional children with learning disabilities and behavior disorders
   b. Survey of psychological tests and measurements
   c. Organization and administration of public school speech and hearing programs
4. Practicum
   a. Clinical practice in speech
   b. Clinical practice in hearing
   c. Student teaching in speech and hearing therapy.

B. *Renewal of Provisional Certificate*

A provisional special education teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demonstrated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional special education teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

C. *Professional Certificate*

A provisional special education teacher's certificate for speech and hearing therapy may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio under the provisional certificate to be converted and upon evidence of 14 semester hours (21 quarter hours) of graduate work in the area of speech pathology and/or audiology at an approved institution for speech and hearing therapy, this work to have been completed since the granting of the initial speech and hearing therapist's standard certificate. The applicant must be employed full-time in the schools of Ohio at the time of application.

D. *Renewal of Professional Certificate*

A professional special education teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

E. *Permanent Certificate*

A professional special education teacher's certificate for speech and hearing therapy may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours (45 quarter hours) of graduate work in the area of speech pathology and/or audiology.) The applicant must be employed full-time in the schools of Ohio at the time of application.

EDb-301-13-08 Teachers of Children with Learning Disabilities and/or Behavior Disorders

A. *Provisional Certificate*

The provisional special education teacher's certificate to teach children with learning disabilites and/or behavior disorders will be issued to the holder of a standard teaching certificate and upon evidence of the following pattern of education:

Course work well distributed over the [illegible] areas:

1. Diagnostic teaching of basic acade[illegible]cluding a practicum
2. Classroom structure and behavior [illegible]t for children with learning disabilities and/or behavior [illegible]
3. Education of exceptional children with [illegible]rning disabilities and/or behavior disorders
4. Student teaching in classes for children with learning disabilities and/or behavior disorders.

B. *Renewal of Provisional Certificate*

A provisional special education teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demonstrated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional special education teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

C. *Professional Certificate*

A provisional special education teacher's certificate to teach children with learning disabilities and/or behavior disorders may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio under the provisional certificate to be converted. The applicant must be employed full-time in the schools of Ohio at the time of application.

D. *Renewal of Professional Certificate*

A professional special education teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

E. *Permanent Certificate*

A professional special education teacher's certificate to teach children with learning disabilities and/or behavior disorders may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

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EDb-301-14 Vocational Teaching Certificates

EDb-301-14-01 Agriculture

Provisional Certificate

The provisional vocational agriculture certificate will be issued to the holder of a bachelor's degree provided the pattern of education leading to the degree conforms to the following requirements:

A. Professional Courses

Course work well distributed over the following areas:

1. Understanding the learner and the learning process
2. School in relation to society
3. Principles and methods of teaching vocational agriculture, including student teaching in vocational agriculture in the area of specialization.

Suggested minimum distribution: 3 sem. hrs. (5 qtr. hrs.) in 1; 3 sem. hrs. (5 qtr. hrs.) in 2; and 15 sem. hrs. (23 qtr. hrs.) in 3.

B. Technical Courses

1. Agricultural production
2. Agricultural business and supplies
3. Agricultural industrial equipment and service
4. Agricultural products — food processing
5. Horticulture
6. Agri-resource and environmental science
7. Forestry
8. Other agriculture.

Suggested minimum distribution: 40 sem. hrs. (60 qtr. hrs.) of course work in technical agriculture and/or courses associated with teaching in one or more of the agricultural areas, including 16 sem. hrs. (24 qtr. hrs.) in the area of specialization.

An applicant must apply for the provisional vocational agriculture certificate in one of the technical areas of specialization.

C. Occupational Experience

One year of gainful employment in the area of specialization.

(OR)

A provisional vocational agriculture certificate may be issued to one who submits evidence of the following:

A. Professional Preparation

Completion of a program of professional courses which shall be equivalent to a minimum of 16 semester hours (24 quarter hours) of teacher improvement at a college or university approved for vocational agriculture and selected from the following areas:

1. Philosophy and/or principles of vocational education
2. Special methods in vocational agriculture, including
   a. Principles of teaching
   b. Curriculum planning
   c. Adult education
   d. Evaluation
   e. Supervision of occupational experience programs
   f. Program planning and/or evaluation
   g. Youth program (FFA)
   h. Recruitment, selection, guidance, and placement of students in vocational education.

B. Teaching Experience

Eighteen months of successful teaching experience in vocational agriculture.

EDb-301-14-02 Distributive Education

Provisional Certificate

The provisional vocational distributive education certificate will be issued to the holder of a bachelor's degree provided the pattern of education leading to the degree conforms to the following requirements:

A. Professional Courses

Course work well distributed over the following areas:

1. Understanding the learner and the learning process
2. School in relation to society
3. Principles and methods of teaching vocational distributive education, including student teaching in vocational distributive education.

Suggested minimum distribution: 3 sem. hrs. (5 qtr. hrs.) in 1; 3 sem. hrs. (5 qtr. hrs.) in 2; and 15 sem. hrs. (23 qtr. hrs.) in 3.

B. Technical Courses

Courses well distributed over the following areas:

1. Retailing
2. Wholesaling
3. Services.

Suggested minimum distribution: 10 sem. hrs. (15 qtr. hrs.) in each area, 1, 2, and 3.

C. Occupational Experience

Two years of gainful employment in a distributive occupation, one of which shall have been in continuous employment. The applicant who has followed a vocational distributive education program at a college or university approved for distributive education will need one year of gainful employment under the supervision of the distributive teacher educator.

Provisional Certificate

The provisional vocational home economics certificate will be issued to the holder of a bachelor's degree provided the pattern of education leading to the degree conforms to the following requirements:

A. Professional Courses

Course work well distributed over the following areas:

1. Understanding the learner and the learning process
2. School in relation to society
3. Principles and methods of teaching vocational home economics, including student teaching in the area of concentration — homemaking and consumer education or job training.

Suggested minimum distribution: 3 sem. hrs. (5 qtr. hrs.) in 1; 3 sem. hrs. (5 qtr. hrs.) in 2; and 15 sem. hrs. (23 qtr. hrs.) in 3.

B. Technical Courses

A vocational home economics certificate will be issued in one of two areas: homemaking and consumer education or job training.

1. Homemaking and consumer education

Course work well distributed over the following areas:

a. Foods and nutrition
b. Clothing and textiles
c. Housing, home furnishings, and equipment
d. Home management — theory and experience — and consumer economics
e. Child development, nursery school participation, and family relations
f. Electives.

Suggested minimum distribution: 6, 6, 6, 9, 9, 3 sem. hrs. (9, 9, 9, 14, 14, 5 qtr. hrs.), respectively, in areas a through f.

2. Job training

An applicant must apply for the provisional vocational home economics job training certificate in one of the following areas of specialization:

a. Child care services

Courses well distributed over the following areas:

1. Family development
2. Child development
3. Nursery school theory and practicum
4. Child psychology
5. Children's art
6. Children's literature
7. Children's music
8. Exceptional children
9. Basic business
10. Health and recreation for children.

b. Food services

Courses well distributed over the following areas:

1. Nutrition
2. Basic food preparation
3. Quantity food preparation
4. Institutional buying
5. Management and organization
6. Bacteriology or food sanitation
7. Accounting or business organization
8. Experimental foods
9. Institutional equipment.

c. Fabric services

Course work well distributed over the following areas:

1. Textiles
2. Basic clothing construction
3. Home furnishings principles and laboratory
4. Related art
5. Basic business
6. Tailoring
7. Textiles analysis
8. Industrial production.

d. Community and home services

Course work well distributed over the following areas:

1. Household equipment
2. Institutional equipment
3. Management principles
4. Basic foods
5. Nutrition
6. Meal management
7. Sanitation

8. Health
9. Home nursing.

Suggested minimum distribution: 30 sem. hrs. (45 qtr. hrs.) in a specialized area in home economics and closely related disciplines.

e. Multi-area

An applicant for the multi-area job training certificate must complete the subject matter courses required for the vocational homemaking and consumer education certificate.

An applicant for the provisional vocational home economics job training certificate shall submit evidence of one year of gainful employment or supervised field experience, under the direction of the teacher-educator at the university, in the area of specialization.

(OR)

A provisional vocational home economics certificate in job training may be issued to one who submits evidence of the following:

1. Professional Preparation

   Completion of a program of professional courses which shall be equivalent to 16 semester hours (24 quarter hours) of teacher improvement at a college or university approved for vocational home economics.

2. Teaching Experience

   Eighteen months of successful teaching experience in vocational home economics job training.

EDb-301-14-04 Trade and Industrial Education

Provisional Certificate

The provisional vocational trade and industrial education certificate will be issued to the holder of a bachelor's degree provided the pattern of education leading to the degree conforms to the following requirements:

A. Professional Courses

Course work well distributed over the following areas:

1. Understanding the learner and the learning process
2. School in relation to society
3. Principles and methods of teaching vocational trade and industrial education, including student teaching in vocational trade and industrial education.

Suggested minimum distribution: 3 sem. hrs. (5 qtr. hrs.) in 1; 3 sem. hrs. (5 qtr. hrs.) in 2; and 15 sem. hrs. (23 qtr. hrs.) in 3.

B. Technical Courses

Course work well distributed over the following areas:

1. Technical instruction in mathematics, science, and related disciplines

2. Manipulative practice in a trade or industrial occupation
3. Specialized courses in trade and industrial education.

   Credit may be given for gainful employment or such other special courses as may be pertinent to the teaching area.

Suggested minimum distribution: 12 sem. hrs. (18 qtr. hrs.) in 1; 20 sem. hrs. (30 qtr. hrs.) in 2; and 12 sem. hrs. (18 qtr. hrs.) in 3.

C. Occupational Experience

1. Manipulative and related technical instruction

   An apprenticeship program approved by the Ohio Apprenticeship Council or four years of work experience in the trade or industrial occupation of specialization.

2. Related technical instruction

   One year of gainful employment in the trade or industrial occupation of specialization.

(OR)

A provisional vocational trade and industrial education certificate may be issued to one who submits evidence of the following:

A. Professional Preparation

Completion of a program of preservice and in-service instruction which shall be equivalent to a minimum of 16 semester hours (24 quarter hours) of teacher improvement at a college or university approved for vocational trade and industrial education and selected from the following areas:

1. Introduction to vocational trade and industrial teaching
2. Organization of a local vocational trade and industrial education program
3. Teaching methods and techniques in trade and industrial education
4. Selection and organization of subject matter in trade and industrial education
5. Shop and laboratory organization and management
6. Evaluating techniques and practices in trade and industrial teaching
7. Educational industrial coordination
8. Shop and laboratory design and layout
9. Coordination and supervision
10. History and philosophy of vocational trade and industrial education.

B. Teaching Experience

Eighteen months of successful teaching experience in vocational trade and industrial education.

(When the individual holds a provisional or a professional teaching certificate in secondary education, the same certificate for vocational education may be obtained after 18 months of successful teaching experience in vocational education and the completion of 8 semester hours or 12 quarter hours of teacher improvement.)

EDb-301-14-05 Trade and Industrial Education Coordinator

A provisional vocational trade and industrial education certificate may be validated for coordinator upon submitting evidence of eighteen months of satisfactory experience as a coordinator under a temporary vocational trade and industrial education certificate validated for coordinator.

EDb-301-14-06 Work Experience

Provisional Certificate

A provisional vocational work experience certificate will be issued in one of two areas: occupational work experience or occupational work adjustment.

The provisional vocational work experience certificate will be issued to the holder of a bachelor's degree provided the pattern of education leading to the degree conforms to the following requirements:

A. Professional Courses

Course work well distributed over the following areas:

1. Understanding the learner and the learning process
2. School in relation to society
3. Principles and methods of teaching vocational work experience, including student teaching in the area of concentration — occupational work experience or occupational work adjustment.

Suggested minimum distribution: 3 sem. hrs. (5 qtr. hrs.) in 1; 3 sem. hrs. (5 qtr. hrs.) in 2; and 15 sem. hrs. (23 qtr. hrs.) in 3.

B. Technical Courses

Course work well distributed over the following areas:

1. Survey of vocational education
2. Principles of vocational education
3. Educational and industrial coordination
4. Remedial reading
5. Psychology of slow learners
6. Counseling
7. Educational testing
8. Teaching the disadvantaged
9. Visual/sound techniques.

Suggested minimum distribution: 8 sem. hrs. (12 qtr. hrs.) from areas 1 through 9.

C. Occupational Experience

One year of gainful employment in business or industry.

(OR)

A provisional vocational work experience certificate may be issued (in one of two areas — occupational work experience or occupational work adjustment) to one who submits evidence of the following:

A. Professional Preparation

Graduation from an approved college or university

B. Teaching Experience

Eighteen months of teaching experience in an occupational work experience or occupational work adjustment program

C. Completion of a program of preservice and in-service instruction which shall be equivalent to a minimum of 8 semester hours (12 quarter hours) of teacher improvement at a college or university approved for vocational work experience and selected from the following areas:

1. Survey of vocational education
2. Principles of vocational education
3. Educational and industrial coordination
4. Remedial reading
5. Psychology of slow learners
6. Materials and methods for teaching slow learners
7. Counseling
8. Educational testing
9. Teaching the disadvantaged
10. Visual/sound techniques.

(When the individual holds a provisional or a professional teaching certificate in secondary education, the same certificate for vocational education may be obtained after 18 months of successful teaching experience in vocational education and the completion of 8 semester hours or 12 quarter hours of teacher improvement.)

EDb-301-14-07 Vocational Teaching Certificates

A. *Renewal of Provisional Certificate*

A provisional vocational teacher's certificate may be renewed upon evidence of satisfactory character and teaching ability as demonstrated by successful teaching experience within a five-year period immediately preceding the date of application.

A holder of a provisional vocational teacher's certificate who has not taught within this period may become eligible for the renewal of the expired certificate by completing 6 semester hours (9 quarter hours) of refresher training pertinent to this field of teaching.

A provisional vocational teacher's certificate issued to a teacher who does not hold a bachelor's degree may be renewed upon evidence of 9 semester hours (14 quarter hours) of teacher improvement work, at least one-half of such work to be taken from the vocational courses at a college or university approved for the vocational field requested.

B. *Professional Certificate*

A provisional vocational teacher's certificate may be converted into a professional certificate upon evidence of 27 months of successful teaching experience in Ohio and upon evidence of the completion of 18 semester hours (27 quarter hours) of teacher improvement work completed since the granting of the initial standard vocational certificate. At least one-half of such work is to be taken from vocational courses at a college or university approved for the vocational field requested. The applicant must be employed full-time in the schools of Ohio at the time of application.

C. *Renewal of Professional Certificate*

A professional vocational teacher's certificate (or renewal thereof) may be renewed under the same conditions as those governing the renewal of the provisional certificate.

D. *Permanent Certificate*

A professional vocational teacher's certificate may be converted into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon evidence of the completion of an appropriate master's degree or the equivalent. (*Equivalent* means 30 semester hours or 45 quarter hours of graduate credit representing a purposeful pattern of teacher education.) The applicant must be employed full-time in the schools of Ohio at the time of application.

A person who obtained the provisional vocational certificate with less than a bachelor's degree may convert his professional vocational certificate into a permanent certificate upon evidence of 45 months of successful teaching experience under the professional certificate to be converted and upon the completion of a bachelor's degree. The applicant must be employed full-time in the schools of Ohio at the time of application.

EDb-301-15 Vocational Supervisor

A. *Provisional Certificate*

The provisional vocational supervisor's certificate will be issued to the holder of a bachelor's degree with 10 semester hours (15 quarter hours) of course work in one of the occupational service areas (agriculture, business and office education, distributive education, home economics, trade and industrial education, or work experience) from a college or university approved for vocational education including at least one course in coordination and supervision and at least one

course in selection and organization of curriculum. The remaining hours are to be selected from the following areas:

1. Shop and laboratory design
2. History of vocational education
3. Shop and laboratory organization and management
4. Education and business and industrial coordination
5. Evaluation techniques for vocational programs
6. Research — problems in vocational education,

and the applicant must furnish evidence of 27 months of successful teaching experience in vocational education.

B. *Renewal of Provisional Certificate*

A provisional vocational supervisor's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a vocational supervisor and upon evidence of the completion of 8 semester hours (12 quarter hours) of additional course work at a college or university approved for vocational education and selected from the following areas:

1. Shop and laboratory design
2. History of vocational education
3. Shop and laboratory organization and management
4. Education and business and industrial coordination
5. Evaluation techniques for vocational programs
6. Research — problems in vocational education.

C. *Professional Certificate*

A provisional vocational supervisor's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a vocational supervisor under the provisional vocational supervisor's certificate and upon evidence of the completion of 10 semester hours (15 quarter hours) of additional course work at a college or university approved for vocational education and selected from the following areas:

1. Shop and laboratory design
2. History of vocational education
3. Shop and laboratory organization and management
4. Education and business and industrial coordination
5. Evaluation techniques for vocational programs
6. Research — problems in vocational education.

D. *Renewal of Professional Certificate*

A professional vocational supervisor's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a vocational supervisor.

E. *Permanent Certificate*

A professional vocational supervisor's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a vocational supervisor under the professional vocational supervisor's certificate and upon evidence of a master's degree.

EDb-301-16 Vocational Director

A. *Provisional Certificate*

The provisional vocational director's certificate will be issued to the holder of a bachelor's degree with 10 semester hours (15 quarter hours) of course work at a college or university approved for vocational education including at least one course in vocational organization and administration, at least one course in curriculum design for vocational education, and the remaining hours selected from the following areas:

1. Laws and regulations for vocational education
2. Financing for vocational education
3. School-community relations for vocational education
4. Staff personnel for vocational education
5. Educational facilities for vocational education
6. Supervision of instruction for vocational education
7. Social and philosophical foundations for vocational education
8. Evaluation techniques for vocational education
9. Research in vocational education
10. Vocational programming for youth and adults with special needs
11. Prevocational programming for youth and adults
12. Organizing adult vocational programs
13. Psychological foundations,

and with evidence of 27 months of successful teaching experience in vocational education.

B. *Renewal of Provisional Certificate*

A provisional vocational director's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a vocational director and upon evidence of the completion of 8 semester hours (12 quarter hours) of additional course work at a college or university approved for vocational education and selected from the areas listed under the requirements for the provisional certificate.

C. *Professional Certificate*

A provisional vocational director's certificate may be converted into a professional certificate upon evidence of 27 months of satisfactory experience as a vocational director under the provisional vocational

director's certificate and upon evidence of the completion of 10 semester hours (15 quarter hours) of additional course work at a college or university approved for vocational education and selected from the areas listed under the requirements for the provisional certificate.

D. *Renewal of Professional Certificate*

A professional vocational director's certificate (or renewal thereof) may be renewed at expiration upon evidence of satisfactory experience as a vocational director.

E. *Permanent Certificate*

A professional vocational director's certificate may be converted into a permanent certificate upon evidence of 45 months of satisfactory experience as a vocational director under the professional vocational director's certificate and upon evidence of a master's degree.

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EDb-301-17 Temporary Teaching Certificates

EDb-301-17-01 Non-Vocational Fields

Temporary certificates for non-vocational fields of teaching are issued in accordance with section 3319.28 of the Revised Code. Requirements for such certificates are prescribed annually and are published in a supplementary bulletin.

EDb-301-17-02 For Vocational Fields

A. *Agriculture*

A person who holds a bachelor's degree and has a background of satisfactory agricultural experience in the area in which he intends to teach may be issued a temporary certificate upon the completion of 4 semester hours (6 quarter hours) of professional, preservice teacher education through a college or university approved for vocational agriculture and participation in the prescribed in-service education.

(OR)

In programs including the highly skilled areas of agriculture, a temporary certificate may be issued under the same provisions as outlined above with the exception that the applicant, in lieu of a bachelor's degree, must have successfully completed a minimum of 7 years of occupational experience in the area in which he intends to teach.

Renewal of Temporary Certificate

A first renewal of the temporary certificate may be issued upon the completion of two professional courses of 2 semester hours (3 quarter hours) each of agriculture education as outlined for the provisional vocational certificate in agriculture.

Subsequent renewals of the temporary vocational certificate may be issued on the basis of continued success in teaching and the completion of additional professional courses as outlined under the first renewal of the temporary certificate.

B. *Business and Office Education*

A temporary vocational business and office education certificate may be issued upon evidence of the following:

1. A bachelor's degree in business administration or equivalent (a maximum of four renewals will be granted), or

2. At least 60 semester hours (90 quarter hours) of credit with a minimum of 45 semester hours (68 quarter hours) of business content course work (a maximum of four renewals will be granted), or
3. A minimum of 7 years of satisfactory experience in certain emerging office occupations (a maximum of eight renewals will be granted),

and the equivalent of 4 semester hours (6 quarter hours) of work in preservice training in professional business education courses as outlined for the provisional certificate in business education.

Renewal of Temporary Certificate

A certificate may be renewed upon completion of at least 10 semester hours (15 quarter hours) of college work toward the provisional certificate in business education.

C. *Distributive Education*

A temporary vocational distributive education certificate will be issued in one of three areas: high school instructor, adult education instructor, or instructor-coordinator.

1. High school instructor

   In certain specialized courses of instruction emerging in the field of distribution and marketing, a person with less than a bachelor's degree may be issued a temporary certificate provided the applicant has met the following requirements:

   a. High school graduation
   b. A minimum of 5 years of satisfactory experience in the area of specialization
   c. The equivalent of 4 semester hours (6 quarter hours) of work in preservice training in professional distributive education courses as outlined for the provisional certificate.

2. Adult education instructor

   A temporary vocational distributive education certificate for adult instruction may be issued provided the applicant has met the following requirements:

   a. High school graduation
   b. A minimum of two years of successful experience in his area of specialization.

3. Instructor-coordinator

   A temporary certificate may be issued provided the applicant has met the following requirements:

   a. A bachelor's degree
   b. A minimum of 10 semester hours (15 quarter hours) of credit in technical content material as outlined for the provisional certificate
   c. A minimum of 4 semester hours (6 quarter hours) of credit in the professional distributive education courses

d. Practical work experience in a distributive occupation of at least two years or no fewer than three quarters of full-time practical work experience under the supervision of a distributive teacher-educator from an approved college or university.

Renewal of Temporary Certificate

1. High school instructor

   A renewal of the temporary certificate may be issued upon completion of course work equivalent to 4 semester hours (6 quarter hours) of professional distributive education courses.

2. Adult education instructor

   Continued renewal of the temporary vocational certificate may be issued upon the recommendation of the superintendent.

3. Instructor-coordinator

   A renewal of a temporary vocational certificate requires a minimum of 4 semester hours (6 quarter hours) of college credit in required distributive education courses.

   No more than two renewals of a temporary vocational certificate will be granted for an instructor-coordinator.

D. *Home Economics*

A temporary vocational home economics certificate will be issued in one of two areas: homemaking and consumer education or job training.

1. Homemaking and consumer education

   A temporary certificate may be issued to an applicant who has a degree with a major in home economics and who completes a vocational home economics methods course.

2. Job training

   An applicant with a degree in home economics with a major in foods and nutrition, clothing and textiles, child development, home furnishings and equipment, or institutional or home management, may be issued a temporary vocational certificate for job training upon evidence of:

   a. One year of gainful employment or special supervised field experience
   b. An orientation in-service workshop in job training or a methods course in teaching job training.

   (OR)

   A person with less than a bachelor's degree may be issued a temporary vocational certificate under the same provisions as outlined above with the exception that the applicant, in lieu of a bachelor's degree, must have successfully completed a minimum of 7 years of occupational experience in the area in which he intends to teach.

Renewal of Temporary Certificate

An applicant with a bachelor's degree may renew a temporary certificate if he has completed two professional courses in home economics.

An applicant with less than a bachelor's degree may renew the temporary certificate upon the completion of an in-service program of education which shall be equivalent to a minimum of 4 semester hours (6 quarter hours) of vocational home economics instruction selected from the list of professional courses as outlined for the provisional certificate.

E. *Trade and Industrial Education*

A temporary vocational certificate for trade and industrial education will be issued in one of the following areas:

1. Instructor of high school and/or adult laboratory class

   Requirements:

   a. High school graduation
   b. Four years of apprenticeship or equivalent (Graduation from an approved four-year college technical program may be substituted for three years of the apprenticeship or learning period.)
   c. Three years of approved, recent journeyman experience in the trade that he is to teach
   d. Completion of a program of preservice instruction.

   This certificate is valid for teaching the skills in the manipulative (shop or laboratory) phase of an occupation and the related technical instruction.

2. Instructor of high school and adult-related technical knowledge

   Requirements:

   a. High school graduation
   b. Three years of industrial experience related to the skills to be taught or a bachelor's degree in a technical field and one year of recent related industrial experience
   c. Completion of a program of preservice instruction.

   This certificate is valid for teaching the related technical knowledge (technology) required in the occupation.

3. Instructor of diversified cooperative training

   Requirements:

   a. A graduate, of an approved college or university, with a major or minor in trade and industrial education, or
   b. A graduate, of a college or university, with a major in a technical field, and two years of successful teaching experience in the field of trade and industrial education or an acceptable program, or
   c. A high school graduate, who has taught for two years under a standard vocational trade and industrial education certificate,

and completion of a program of preservice instruction and a minimum of two years of industrial experience. (Industrial experience shall be interpreted as those trades and/or skilled occupations approved for trade and industrial education.)

4. Instructor of adult supplemental and apprenticeship classes

   Requirements:

   a. High school graduation
   b. Four years of apprenticeship or equivalent (Graduation from an approved four-year college technical program may be substituted for three years of the apprenticeship or learning period.)
   c. Three years of approved, recent journeyman experience in the trade that he is to teach

   This certificate is valid for teaching the manipulative skills (shop and laboratory phase of an occupation) and the related technical instruction.

5. Instructor of adult supplemental and apprenticeship classes

   Requirements:

   a. High school graduation
   b. Three years of approved recent experience related to the particular trade or occupation in which instruction will be given (Graduation from an approved four-year college technical program may be substituted for two years of occupational experience.)

   This certificate is valid for teaching the related technical knowledge (technology) required in the occupation. (A teacher of secondary school technical subjects may be certified to teach a specific course in adult and apprenticeship education.)

A temporary vocational trade and industrial education certificate may be validated for trade and industrial education coordinator upon evidence of high school graduation and 60 semester hours (90 quarter hours) of college credit with a major emphasis in trade and industrial education, and with two years of successful teaching experience in an approved trade and industrial education program.

Renewal of Temporary Certificate

A first temporary renewal will be issued upon the completion of an in-service program of education which shall be equivalent to a minimum of 4 semester hours (6 quarter hours) of teacher improvement at a college or university approved for vocational trade and industrial education.

Course work shall be selected from the following areas:

a. Introduction to vocational trade and industrial teaching
b. Organization of a local vocational trade and industrial education program
c. Teaching methods and techniques in trade and industrial education

d. Selection and organization of subject matter in trade and industrial education
e. Shop and laboratory organization and management
f. Evaluating techniques and practices in trade and industrial teaching
g. Educational and industrial coordination
h. Shop and laboratory design and layout
i. Coordination and supervision
j. History and philosophy of vocational trade and industrial education
k. Organization and administration of trade and industrial education
l. Administration of vocational education
m. Practice teaching
n. Industrial relations and personnel problems
o. Determining trade and industrial needs
p. Techniques of improving trade skills and technology
q. Supervision of trade and industrial education
r. Research — problems in trade and industrial education.

(An exception to this is the instructor of adult supplemental and apprenticeship classes, who teaches short units of instruction.)

F. *Work Experience*

A temporary vocational work experience certificate may be issued upon evidence of the following:

1. A bachelor's degree
2. Two years of successful teaching experience
3. Completion of a program of preservice and in-service instruction which shall be equivalent to a minimum of 4 semester hours (6 quarter hours) of teacher improvement for vocational education selected from the following areas:
   a. Survey of vocational education
   b. Principles of vocational education
   c. Educational and industrial coordination
   d. Remedial reading
   e. Psychology of slow learners
   f. Materials and methods for teaching slow learners
   g. Counseling
   h. Educational testing
   i. Teaching the disadvantaged
   j. Visual/sound techniques.

Renewal of Temporary Certificate

A temporary vocational work experience certificate may be renewed upon the completion of an in-service program which shall be equivalent to a minimum of 4 semester hours (6 quarter hours) of teacher improvement for vocational education selected from the areas listed above.

11

Standards and Regulations Governing the Approval of Colleges and Universities Preparing Teachers in Ohio

EDb-301-18 Objectives and Organization

A college or university seeking initial or continuing approval of its teacher-education programs shall publish a clearly defined statement of purposes and objectives for the preparation of school personnel. The college or university shall present evidence of its commitment to the preparation of educational personnel based upon the support and involvement of all departments that participate in teacher education. The college or university shall identify its role and the role competencies of its faculty; and it shall provide facilities, curricula, and activities which assure those experiences leading to a demonstrated competency on the part of its graduates consistent with the expectancies of a candidate seeking certification as a teacher, administrator, supervisor, or school employee in pupil personnel services in Ohio schools.

EDb-301-19 Student Personnel Services

A. *Admission*

There must be evidence that no artificial barriers or arbitrary quota systems are in operation which may discourage capable and deserving people from preparation as teachers. Students seeking admission from other colleges or universities or from other colleges within a university shall meet the same standards as are required of regularly enrolled students.

B. *Progressive Retention*

There shall be evidence of the application of standards of scholarship, personality, health, and behavior. Those students not meeting the

standards prescribed shall, through a sound system of screening, be eliminated from the teacher-education program. A college or university is obligated to refuse to recommend for certification those deemed unworthy of the teaching profession.

C. *Counseling and Advisory Services*

The college or university shall give evidence that it provides a sound functional program of counseling, educational guidance, and related personnel services. In evaluating this program, the Department of Education will examine the following:

1. The organization of the total counseling and advisory program with special attention to the needs of prospective teachers
2. The qualifications of those responsible for counseling and related personnel services
3. The orientation or introduction to education
4. The central filing system which includes a permanent cumulative record of each student
5. The provision for student and faculty participation in the formulation and development of policies concerned with counseling and advising
6. The extent to which cumulative records are utilized by individual faculty members.

D. *Statement of Policy Concerning Certification*

Certificates are issued to those who have completed the respective courses prescribed by the State Board of Education in a college or university approved by it for the type of preparation required.

The proper administrative official of the college or university is required to sign the following statement:

> "This is to certify that the above named applicant, in addition to having satisfied all course requirements for the certificate indicated above, is a person of good moral character, free from disqualifying physical defects, and has demonstrated competence in: oral and written English, the field or fields in which he is recommended for certification, and in the required professional laboratory experiences."

E. *Placement Services*

Each college or university approved for teacher education shall maintain a central placement office for graduates and alumni seeking employment as teachers. This office shall be conveniently located and shall contain the necessary filing facilities and interview rooms. Each college or university shall maintain files of current information on the supply and demand of teachers and of salary schedules.

The staff responsible for placement shall be qualified and shall be

given freedom from other responsibilities to maintain an efficient system of placement.

F. *Follow-Up Services*

Colleges and universities approved for the preparation of teachers shall provide evidence of program evaluation procedures which are designed to encourage continuously improving programs for the preparation of professional school personnel.

G. *Health Services*

The college or university shall provide health services.

EDb-301-20 Preparation of Faculty

A. Each college or university engaged in any phase of teacher education shall employ as dean of the college of education, or head of the division or department of education, a competent teacher-education official who is capable of effective leadership. He shall be the college or university's official agent in dealing with the State Department of Education and shall be held responsible for recommending for certification only those graduates who have satisfactorily completed the minimum requirements prescribed by the State.

He shall function as a technical adviser to all students in preparation for teaching and to all college or university teachers of courses in which prospective teachers are enrolled.

B. Members of the faculty responsible for teaching the general, professional, or content courses shall possess the appropriate background, training, and experience in elementary or secondary education to assure role competency.

C. The teaching assignment of the faculty for teacher education shall not exceed the load recommended by the North Central Association for college teachers in other departments.

EDb-301-21 Curriculum

The college or university shall file with the Division of Teacher Education and Certification a detailed list of course titles, with a full description of course content, by which it proposes to prepare teachers for that field.

Program Approval (See page 13.) may be granted to a college or university upon its request provided its teacher-education curricula substantially meet or exceed the guidelines outlined in the minimum laws and regulations adopted by the State Board of Education.

Approved colleges or universities shall be subject to periodic review by the State Department of Education and/or a visitation team authorized by the Division of Teacher Education and Certification. On-campus visitation shall be held at least once in each five-year period.

Program approval is restricted to those areas in which the college or university provides the faculty and facilities essential to the various specific curricula as prescribed by the State.

EDb-301-22 Student Teaching and Laboratory Experiences

Colleges and universities shall untilize the research findings of professional organizations pertaining to professional laboratory experiences and shall work toward the continuous improvement of practices. Each college or university shall provide the necessary laboratory facilities for child study, observation, participation, and supervised teaching. The student teaching experience shall represent a commitment by the student teacher of time which is equivalent to the standard teacher's day for a period of not less than one full quarter.

The college supervisor shall be one whose experience and preparation qualify him. Cooperating teachers in the student teaching program shall possess the appropriate bachelor's degrees and a minimum of three years of classroom teaching experience.

EDb-301-23 Educational Media Center

A. Each college and university shall maintain a media center pertinent to the needs of teachers in those areas of teaching for which approval is requested under supervision of a qualified educational media specialist.

B. Colleges and universities shall provide an appropriate number of titles of up-to-date books along with nonprint materials directly related to the needs of the candidates for certification.

C. There shall be reference materials, including standard reference works commonly found in the schools in which the students will teach. There shall be provision for periodicals (both current and bound) pertinent to the needs of students in preparation for teaching. There shall be a file of yearbooks in the various areas of education appropriate to the needs of both faculty and students in preparation for teaching.

EDb-301-24 Financial Support

In addition to the legal requirement concerning endowment, the college or university shall, for approval in any field of teacher education, furnish evidence of an annual income adequate for the maintenance of a sound program of teacher education.

Colleges and Universities in Ohio Approved for Teacher Education
November, 1970

College or University	Association Accrediting	Areas of Program Approval
Akron, The University of 302 East Buchtel Avenue Akron 44304	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Antioch College Yellow Springs 45387	NCA OCA	Elementary Education Secondary Education Graduate Program in Education
Ashland College College Avenue Ashland 44805	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Athenaeum of Ohio, The 5440 Moeller Avenue Norwood 45212	NCA OCA	Secondary Education
Baldwin-Wallace College 66 Seminary Street Berea 44017	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Bluffton College College Hall Bluffton 45817	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Bowling Green State University Bowling Green 43402	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Capital University 2199 East Main Street Columbus 43209	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Case Western Reserve University University Circle Cleveland 44106	NCA OCA	Elementary Education Secondary Education Graduate Program in Education
Cedarville College Cedarville 45314	OCA	Elementary Education Secondary Education

College or University	Association Accrediting	Areas of Program Approval
Central State University Wilberforce 45384	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Cincinnati, University of Clifton Avenue Cincinnati 45221	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Cleveland State University Euclid Avenue at 24th Street Cleveland 44115	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Dayton, University of 300 College Park Avenue Dayton 45409	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Defiance College, The 701 North Clinton Street Defiance 43512	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Denison University Granville 43023	NCA OCA	Secondary Education
Edgecliff College 2220 Victory Parkway Cincinnati 45206	NCA OCA	Elementary Education Secondary Education
Findlay College 1000 North Main Street Findlay 45840	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Heidelberg College Tiffin 44883	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Hiram College Hiram 44234	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
John Carroll University University Heights Cleveland 44118	NCATE NCA OCA	Elementary Education Secondary Education Graduate Program in Education

College or University	Association Accrediting	Areas of Program Approval
Kent State University Kent 44240	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Lake Erie College 391 West Washington Street Painesville 44077	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Malone College 515 25th Street, N.W. Canton 44709	NCA OCA	Elementary Education Secondary Education
Marietta College Marietta 45750	NCA OCA	Secondary Education
Mary Manse College 2436 Parkwood Avenue Toledo 43620	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Miami University Oxford 45056	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Mount Saint Joseph on the Ohio, College of Mount St. Joseph 45051	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Mount Union College 219 West State Street Alliance 44601	NCA OCA	Elementary Education Secondary Education
Muskingum College Montgomery Hall New Concord 43762	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Notre Dame College 4545 College Road Cleveland 44121	NCA OCA	Elementary Education Secondary Education
Oberlin College Oberlin 44074	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Ohio Dominican College 1216 Sunbury Road Columbus 43219	NCA OCA	Elementary Education Secondary Education

College or University	Association Accrediting	Areas of Program Approval
Ohio Northern University 500 South Main Street Ada 45810	NCA OCA	Elementary Education Secondary Education
Ohio State University, The 1945 North High Street Columbus 43210	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Ohio University Athens 45701	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Ohio Wesleyan University South Sandusky Street Delaware 43015	NCA OCA	Elementary Education Secondary Education
Otterbein College Main and Grove Streets Westerville 43081	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Rio Grande College Rio Grande 45674	NCA OCA	Elementary Education Secondary Education
Saint John College of Cleveland 1033 Superior Avenue Cleveland 44114	NCATE NCA OCA	Kindergarten-Primary Elementary Education Graduate Program in Education
Steubenville, The College of Franciscan Way Steubenville 43952	NCATE NCA OCA	Elementary Education Secondary Education
Toledo, The University of 2801 West Bancroft Street Toledo 43606	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Urbana College College Way Urbana 43078	OCA	Elementary Education Secondary Education
Ursuline College 2600 Lander Road Cleveland 44124	NCA OCA	Secondary Education
Walsh College 2020 Easton Street, N.W. Canton 44720	NCA OCA	Elementary Education Secondary Education

College or University	Association Accrediting	Areas of Program Approval
Western College for Women Patterson Avenue Oxford 45056	NCA OCA	Elementary Education Secondary Education
Wilberforce University Wilberforce 45384	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education
Wilmington College Wilmington 45177	NCATE NCA OCA	Elementary Education Secondary Education
Wittenberg University Springfield 45501	NCATE NCA OCA	Elementary Education Secondary Education
Wooster, The College of Wooster 44691	NCA OCA	Elementary Education Secondary Education Graduate Program in Education
Wright State University Col. Glenn Highway Dayton 45431	NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education
Xavier University Cincinnati 45207	NCA OCA	Elementary Education Secondary Education Graduate Program in Education
Youngstown State University 410 Wick Avenue Youngstown 44503	NCATE NCA OCA	Kindergarten-Primary Elementary Education Secondary Education Graduate Program in Education